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INDEX OF ARMY MOTION PICTURES FILM STRIPS SLIDES AND PHONO-RECORDINGS

DEPARTMENT OF THE ARMY MAY 1957

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SECTION I

INTRODUCTION

1. Purpose and Scope

This pamphlet is for the use of training instructors, I&E leaders, and other film users of the regular Army and civilian reserves. It lists both classified and unclassified approved Department of the Army motion picture films and film strips, and phono-recordings available for use in training and information programs.

2. Security Classification of Films

Films classified CONFIDENTIAL, SECRET, or SECRET-RESTRICTED DATA are identified by the symbols [C], [S], or [S-RD], respectively preceding the number. The symbol [CM] denotes a film classified CONFIDENTIAL—MODIFIED HANDLING AUTHORIZED. Titles of such films, if unclassified, are followed by (U). The symbol [O] denotes a film which is FOR OFFICIAL USE ONLY and must be protected in accordance with AR 380–1.

3. How to Locate Films

a. First Turn to Table of Contents on Pages 1 Through 4.

(1) To locate films by branch of service or other major category, refer to the category index, section II of the table contents.

(2) If the exact release number of a film is known, refer to the numerical index, section III of the table of contents.

(3) If the exact title of the film is known, refer to the alphabetical index, section IV of the table of contents.

b. The Numerical Index Provides Complete Information on Each Film. This includes a synopsis and other pertinent data. The category index and the alphabetical index give cross-reference page numbers where the synopsis for each film can be found in the numerical index.

4. How to Borrow Films and Equipment

a. Regular Army and Reserve units must fill out DA Form 11–44 (Films and Film Strips Loan Order) to borrow films and film strips from Army film and equipment exchanges by local pick-up or by mail order.

b. Regular Army and Reserve units that do not have projection equipment on hand must fill out DA Form 11–43 (Projection Equipment Loan Order) to borrow projection equipment for films and film strips from their respective Army film and equipment exchanges.

5. Army Film and Equipment Exchange Services

The following services are available:

a. Loans of film and equipment, including motion pictures, sound film strips, silent film strips, Department of the Army phono-recordings, and appropriate equipment, as required.

b. Advisory services, such as recommending appropriate films for training and information programs, proper utilization of films in training, and advising instructors on professional exhibition techniques.

c. Literature, such as film references, periodic film announcements, and special announcements on pertinent films.

d. Courses for training and licensing unit projectionists of the Regular Army and civilian reserves.

e. Loans of films cleared for public nonprofit, television and theatrical exhibition to appropriate civilian organizations and professional groups.

f. Maintenance of Department of the Army films rescored into foreign languages for aiding foreign allied governments, training foreign nationals, and foreign language training.

6. Proper Use of Films

After selection of appropriate films for training and information programs, the film program should be carefully planned using the same steps used for other training techniques, i. e.—

a. *Preparation*. Preview the film to find out what is in it, using the appropriate film reference, if available. The instructor should select the key points of emphasis, the items which may be omitted or touched upon lightly, and the portions that are obsolete or require explanation. Arrange in advance for projectionist, film, and equipment. Reserve the classroom theater with ample seating capacity, effective blackout provisions, and an electrical outlet for the projector.

b. *Presentation*. Have proper ventilation, then introduce the film in the most effective manner that will prepare the audience to observe the film to greatest advantage. Show the film.

c. *Followup Activities*. Carefully planned followup activities, such as discussions, an oral or written quiz, and practical applications, as appropriate, increase the effectiveness of training films. The contents of the film and the facilities available will determine the nature of the following exercises to be used.

d. References.

(1) *Films.*

TF 11–1574—The Technique of Good Projection.
TF 11–1572—Film Tactics.
TF 21–2301 through TF 21–2306—Military Instructions. (Each film should be used individually to fit into appropriate lesson plans to teach a specific point of instruction. The series is not designed to be shown as a package.)

(2) *Manual.* FM 21–6—Techniques of Military Instruction.

SECTION II
CATEGORY INDEX

7. General

Use this index to locate films for training and information programs. It is broken down into 32 main categories (such as branches of service or other major breakdowns) and a number of subdivisions in certain of the larger categories. See table of contents on pages 1 through 4 for locating major categories and subcategories. This is the important functional index for film users. Use the numerical index, section III, only if the exact release number of a film is known and further film information is required. Use the alphabetical index, section IV, only if the exact title of a film is known.

8. ADJUTANT GENERAL (Special Services)

		For synopsis see page No.
Army Records Administration	MF 12–944 (23 min—1953—Film Reference)	215
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The Army Program System	MF 38–8554 (13 min—1955—Film Reference)	237
The Army Program System—Development "Planning What to Do"	MF 38–8555 (13 min—1955—Film Reference)	237
The Army Program System—Execution "Doing the Job"	MF 38–8556 (11 min—1955—Film Reference)	237
The Army Program System—Review and Analysis "Checking on the Results"	MF 38–8557 (10 min—1955—Film Reference)	238
Mobile Machine Records Unit	FB 12–30 (10 min—1942—Film Reference)	192
The Conspiracy Against Rudy Weber—Army Air Force Postal Service	TF 12–1689 (20 min—1951—Film Reference)	343
Officers Career Management	TF 12–1529 (34 min—1949—Film Reference)	343
Hawaiian Holiday (Recruiting Subject)	MF 20–1216 (18 min—1945)	224
Time to Go (Selective Service)	MF 20–8322 (28 min—1955—Film Reference)	228
This Is Your Army	MF 45–7950 (79 min—1954—Color)	241
A Tale of 2,000 Cities (Recruiting—Army Reserve)	MF 45–8710 (25 min—1956)	242
Men 17 to 18½—Your Future and the New Reserve Law (Recruiting—Army Reserve)	MF 45–8589 (12 min—1955)	242
The Whites of Their Eyes (Recruiting—Army Reserve)	MF 20–8591 (26 min—1956)	230
Man With a Mission (Recruiting—Army Reserve)	MF 140–7800 (17 min—1950—Commercial Adaptation)	256
Army ROTC (Recruiting)	MF 145–7743 (18 min—1951)	256
The Army ROTC—Learn Today—Lead Tomorrow (Recruiting)	MF 45–7912 (24 min—1952—Color)	240
The Making of a West Pointer (Recruiting)	MF 45–8521 (40 min—1955—Color)	241
Prepare Through Education (Recruiting)	MF 20–8421 (16 min—1955)	229
All Star Team (Recruiting)	MF 20–8420 (24 min—1955)	229
The US Medical Team (Medical Recruiting)	MF 20–8422 (15 min—1955)	229
Army Residency Program (Medical Recruiting)	MF 12–8733 (22 min—1956)	215
Chaplain—USA (Recruiting)	MF 20–8419 (19 min—1955—Color)	229

	For synopsis see page No.
Sgt MacDuff—Salesman (Recruiting) MF 20-8410 (19 min—1955)	229
Beyond Tomorrow—A Story of an American Girl (Recruiting) MF 20-8418 (15 min—1955—Color)	229
A Look Ahead (Re-enlistment) MF 12-8201 (27 min—1954)	215
It's Your Future (Re-enlistment) MF 12-8151 (15 min—1953)	215
The Soldier's Hour (Unit Commanders Guide to Re-enlistment) MF 20-8442 (18 min—1956—Color)	229
Take 6 (National Guard Recruiting) MF 45-8694 (11 min—1956)	242
Rehabilitation of Military Prisoners TF 19-1608 (34 min—1949—Film Reference)	223
The Story of Private Pete FS 12-5 (1954—Film Reference)	392
Introduction to Numbers FS 12-6 (1943—Film Reference)	392
Introduction to Language—Part I: Nouns FS 12-7 (1944—Film Reference)	392
Introduction to Language—Verbs and Prepositions FS 12-8 (1944—Film Reference)	392

SPECIAL SERVICES

Note. See also ***I&E Sportsreels AFIF 200 through 207. For a numerical list of these films see page 166.***

Recreation Leadership TF 12-1808 (23 min—1953—Film Reference)	343
Recreation Center Operation MF 12-7841 (13 min—1951—Film Reference)	215
Army Sports (Army sports program)—Operation Portrex (Exercise to test the possibility of recapturing the Caribbean island of Vieques from an aggressor). AFSR 120 (21 min—1950)	169
The Sprints MF 28-8250 (21 min—1954—Commercial Adaptation)	232
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Supervision—Dealing With Dissatisfied Employees
MF 61–1257 (14 min—1946—From Navy Film MN 3425–A) 253
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MF 61–1258 (17 min—1946—From Navy Film MN 3425–B) 253
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	For synopsis see page No.
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27. MEDICAL (Troop Training—Individual Health and Sanitation; First Aid; Disease Control; Anatomy and Physiology; Professional—Hospital and Field Service; Rehabilitation and Physical Medicine; Neuropsychiatry and Neurology; Medical, Surgical, and Dental; Veterinary Service)

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39. WOMEN'S ARMY CORPS

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40. General

Following is a list of film series in alphabetical order with release numbers of each series in numerical sequence, e.g., Armed Forces Information Films (AFIF), Armed Forces Screen Magazines (AFSM), Campaign Reports (CR), Combat Bulletins (CB), etc. Complete information, such as the synopsis and other pertinent data, is given for each film. Use the category index, section II, to locate films for training and information programs. Use the alphabetical index, section IV, only if the exact title of the film is known.

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41. Armed Forces Information Films

Armed Forces Information Films (AFIF) are intended for the information and character guidance of all personnel of the armed forces, including the civilian components.

AFIF No.

1 **Discussion Technique**

Methods used in conducting discussion hour—Forum, symposium, debate, panel, conference and committee methods—Informal group techniques—Stimulation of independent thinking and free interchange of ideas (29 min—1950).

2 **Oversea Duty**

Conditioning personnel for oversea duty—Types of problems encountered and how to deal with them—Conduct of individual soldier—Serviceman as a representative of American democracy (20 min—1950).

3 **Attack in the Pacific**

Naval war in the Pacific—Disaster of Pearl Harbor—Battle of Coral Sea—Battle of Midway—Eventual superiority of US naval forces—Neutralization of Japanese naval strength (50 min—1950).

4 **Service Plus**

Integrity as keynote of character in modern serviceman—Necessary moral qualities of a good soldier, sailor, marine, or airman (19 min—1950).

5 **Communism**

History of world-wide communism—How it is organized to propagate and incite revolution throughout the rest of the world—How communists in America carry out their activities—Awareness and vigilance by members of the armed forces (32 min—1950).

6 **Teamwork and You**

Importance of teamwork in growth of this Nation—Coordination of effort of team to gain final victory (10 min—1950).

NUMERICAL INDEX

AFIF No.

7 **Serving the Nation**

Military forces' activities contribute to advance of civilian health, economy, safety, transportation, communications, science, and industry —Medical developments—Air Force School of Aviation Medicine conducts tests on effects of atmospheric and pressure changes on human body—New and superior aircraft and other means of transportation—Naval research—Underwater explosion and its effect on future methods of building ships—Military uses of television for training and tactical purposes (15 min—1950).

8 **Economy is Everybody's Business**

Functions of the Federal Government as a management organization —Reasons for keeping the armed forces on a high level of preparedness during time of peace—Magnitude of national expenditures—Problem of balancing military necessities and the economic capacity (19 min—1950).

9 **Armed Forces of the USA**

Mission of armed forces—Civilian control of services, showing diagrammatically how authority emanates from the President as Commander in Chief—Victory attained only by combined efforts (22 min—1950).

10 **Productivity—Key to Plenty**

Analysis of American production and consumption cycle—Growth of industrial and agricultural productivity—How increased production brings increased buying power and extra leisure for the working man—American per capita income (20 min—1950).

12 **Preparedness and National Security**

Pacifism and disarmament following WW I—Unpreparedness at start of WW II—Necessity for preparing defense before possible future attack—Preparedness measures—Active participation in UN—National Security Act of 1947—Central Intelligence Agency—Research and Development Board—National Security Resources Board—Coordinating state civil defenses (22 min—1951).

13 **Standards of a Serviceman**

Discipline and teamwork—Military code—Methods used to instill discipline (12 min—1951).

14 **My Country 'Tis of Thee**

Highlights of American history (21 min—1951—Color—Commercial Adaptation).

15 **Payday Pitfalls**

Series of still cartoons with sound track accompaniment showing various methods employed to fleece soldiers on payday (13 min—1951).

17 **Why Korea**

Threatened political and social freedoms—Countering militant forces of world communism with force (30 min—1951—Commercial Adaptation).

18 **Evaluating a Nation**

Evaluation of nations in terms of national and global power—Standards by which weakness and strength of nations are measured—Czechoslovakia—The MacKinder concept of the World Island—Nazi doctrine of geopolitics—Modern polar conception of geography—Necessity for sending American troops to western Europe (19 min—1951).

19 **Fighting Words**

Techniques and objectives of psychological warfare—Effective uses of propaganda in the termination of conflicts between nations (23 min—1951).

21 **Face-to-face with Communism**

Seizure of American town by populace in the manner of the communists to illustrate what could happen in USA (26 min—1951).

22 **Letter to a Rebel**

Advantages of American system of free enterprise (17 min—1951—Commercial Adaptation).

23 **Dangerous War Trophies**

War trophy safety committees and the Alcohol and Tax Division of the Treasury Department inspect, deactivate, and register war trophies —Twofold responsibility of trophy holder in preventing accidents and transfer of these weapons to the underworld (12 min—1953).

24 **Keeping Informed**

Importance of freedom of thought (12 min—1951).

25 **A Free People**

The story of our country and the people who helped achieve its greatness—Our precious legacy, the ideal of freedom for everybody (23 min—1952).

27 **Strategic Iran**

The geography, terrain, government, past and present cultures, economics, and politics of Iran, the crossroads of the East (14 min—1952).

28 **This is Great Britain**

Contrasting the England of yesteryear, rich in heritage and the love of pageantry, with the England of today, gamely fighting for industrial and general economic recovery (15 min—1952—Commercial Adaptation).

29 **Portugal**

Highlights in the country's history and present-day conditions—Strategic importance to NATO countries (14 min—1952).

30 **Formosa**

Highlights of Formosa's historical background, current social, economic, and military status—Strategic significance in world affairs—Refuge of Nationalist Chinese forces since WW II—Physical, industrial, and agricultural restoration and development through UNRRA and US assistance—American military aid since Korean War to resist communist threat of invasion (13 min—1952).

31 **Turkey—The Land of In-between**

A country of contrasts where East meets West and North meets South—Lying across the trade routes of the world, the Republic of Turkey is vitally significant in the political scheme and a powerful ally in the North Atlantic Treaty Organization (17 min—1952).

32 **Spain**

Geography, cultural and political history, government, social and economic structure, and strategic significance of Spain in Europe's complex political picture—Our alliance with Spain is a necessity and an asset militarily because of her geographic location and her intense anticommunistic conviction (10 min—1953).

33 **Brazil**

Report on a vast, though underpopulated frontier—type nation, rich with natural resources and yet unexplored natural wealth—Advances wrought through current industrialization program (15 min—1953).

34 **Yugoslavia**

Geography, people, political history, government, economic structure, and importance of communistic Yugoslavia in stemming the tide of Russian communism in the Mediterranean area—Formerly the agricultural supply line for Russia—Yugoslavia renounced Soviet domination in 1948 and since has been receiving US aid (11 min—1953).

35 **How to Get Along in French Morocco**

Morocco, because of its geographic location, is the strategic gateway to the Mediterranean Sea—Constant target for communist aggression—For military reasons, US maintains naval forces and airfields—Every military man stationed in Morocco is an individual ambassador of this country (23 min—1953).

36 **1952 Olympic Games**

A pictorial report of the 15th modern Olympiad held in Helsinki, Finland—Athletes from 67 countries participate in sports competitions (29 min—1953).

37 **Korea and Communism in the Pacific**

James A. Michener, author, as guest panelist discusses such topics as: improving propaganda program in Korea; danger of losing Asia to communism; use of Chinese Nationalists in Korea; use of atomic bomb in Korea; Korean economic recovery, and evaluation of peace talks (32 min—1953—Commercial Adaptation).

38 **Years of Crisis**

An interview conducted by Edward R. Murrow with correspondents whose duty stations are in areas around the world—Topics discussed include American-European relationships, Japanese trade, France's attitude toward NATO, Germany's potential strength, Russia's intentions, and the menace of communism to world peace (36 min—1953).

39 **President Eisenhower's State of the Union Message**

Pres Eisenhower's first State of the Union message defines major policies on foreign and domestic matters to the 83d Congress (63 min—1953—Commercial Adapation).

40 **How to Get Along in France**

French family life, customs, government, and politics depicted and explained to American service personnel that they may better understand the land and people where they may be stationed (27 min—1953).

41 **About Rumors**

An analysis of the problem of rumors—Characteristics—How created and spread—Effects on both individuals and national security—How to detect and combat rumors—Individual responsibility to fight enemy rumors (14 min—1953—Color).

42 **Australia**

Geography, government, economy, industries, social customs, and

AFIF No.

traditions of Australia including her historical development and current role in world affairs (12 min—1953).

43 **Canada**

A pictorial study of Canada's geography, early history, current life, industries, economy, government, and present role in world affairs (18 min—1953).

44 **How to Get Along in a Foreign Country**

Provides valuable information for Americans abroad, especially service personnel stationed in foreign lands, in the counteracting of communist efforts to discredit America (16 min—1953).

45 **Decision at Williamsburg**

The decision at Williamsburg, Virginia, on May 15, 1776, prompted the new and independent nation, the USA—Prelude to the independance period—Causes and events of the American Revolution—Signing the Declaration of Independence (20 min—1953—Color).

46 **The Hoaxters**

Techniques used by Hilter, Mussolini, Tojo, and Stalin in their efforts to dominate the world—Current threats to peace of world by communists (38 min—1953—Commercial Adaptation).

47 **Your Money and Prices**

Causes of inflation analyzed—Discussion of various stages of American economy from 1938 to 1953—Relationship of nation's available money and material wealth (22 min—1953—Color—Commercial Adaptation).

48 **The Philippines**

The Philippine Islands—Geography, political history, people, religions, industries, government, activities in WW II, and current role in world affairs—Evidences of centuries of Spanish rule—American influence on language, schools, military, and economy—Rehabilitation and reconstruction since WW II (15 min—1953).

50 **Armed Forces Forum—George F. Kennan Discusses Communism**

Mr Kennan, a former ambassador to Russia, discusses international communism with a group of enlisted personnel (43 min—1953).

52 **Norway—Denmark**

Geography, historical background, and current social, economic and political status of both countries—Stress on role in world affairs (19 min—1954—Not authorized for public exhibition).

53 **Austria**

Historical background, current social, economic, and political status, and strategic significance of Austria in cold war against international communism—US military and economic aid (17 min—1954).

54 **The Benelux Countries**

Historical background, current social, economic and military status of the countries which comprise Benelux, Belgium, the Netherlands, and Luxenburg (22 min—1954).

55 **Greece**

Study of modern Greece—Political, economic, technical, and military development with US aid—Role as a member of NATO (18 min—1955).

56 **You in Great Britain**

Highlights of cultural and political history of Great Britain—Cus-

AFIF No.

oms and qualities of the British people—Strategic significance for the prevention of further spread of communism in Western Europe (34 min —1955).

58 **India**

Although India is 5,000 years old it is a new country democracy-wise—India's strategic location on the continent of Asia places her in a position of potential political prominence (19 min—1954).

59 **Alaska**

Historical background, social, economic, and military status—Extensive development by armed forces' activity—Strategic signficance due to proximity of Soviet land masses and polar air routes—Military tests, exercises, and maneuvers (21 min—1954).

60 **Panama**

Historical background and current social, economic, and military status—Function and welfare of US Armed Forces stationed in Canal Zone—Strategic significance to the US and to the defense of the Americas (19 min—1955).

62 **Operation Ivy**

Detonation of "Mike," first hydrogen bomb, on test island of Eniwetok Atoll—Various phases of text illustrate efforts and responsibilities of Army, Navy, and Air Force task groups and scientific groups—Effects of blast observed from helicopters operated by radiological safety monitor—Fireballs superimposed over maps of New York and Washington, D. C., to show areas of light damage, moderate damage, severe damage, and total annihilation (28 min—1954—Color—From Air Force Special Weapons Project AFSWP 21-4-52).

63 **The Price of Liberty**

Documented role of women in the preservation of our liberty from the Revolutionary period to the post-Korean conflict (11 min—1954).

65 **Iceland**

Historical background, and current social, economic and political status—Strategic significance in Western defense plans—Member of UN, signatory of NATO—US forces in Iceland (23 min—1954).

67 **You in Germany**

Role of American serviceman in Germany—Importance of mutual understanding and respect between serviceman and German people (31 min—1955—Withdrawn from all types of public exhibition).

70 **Headquarters USA**

A pictorial tour of Washington, D.C., highlighting past and present symbols of the greatness of America—Tour covers various official business buildings; the White House; the Capitol; Washington, Jefferson, and Lincoln memorials; National Archives; and the Tomb of the Unknown Soldier (30 min—1955).

71 **Brief On Italy**

Italy's great past, nature of her people, and present mode of life explained to American serviceman so that he may better understand the land and people—Importance of friendly, respectful behavior for good Italian-American relations--Role as a participant in the Western Alliance for the defense of freedom (27 min—1955).

AFIF No.

74 **Workshop for Peace**

Pictorial tour of permanent United Nations headquarters in N.Y., highlighting the mission, organization, activities, and accomplishments of the UN body—Established in 1945, the UN consist of 60 member nations (30 min—1955).

75 **The Communist Weapon of Allure**

Dr. Warren B. Walsh, Professor at Syracuse University, explains how Communist persuasion is designed to appeal to the basic human hungers (36 min—1956).

76 **Communist Blueprint for Conquest**

Mr. Boris H. Klosson, Department of State, explains the methods and techniques used by the Communist Party to seize power in a country (33 min—1956).

78 **You in Japan**

Aimed at servicemen stationed in Japan—A study of Japan's political, economic, social, religious and military aspects (20 min—1956).

79 **The Man on The Hill (Mission of a Congressman)**

Responsibilities of a "typical" member of Congress— Relation of Department of Defense to Congress—Importance of voting intelligently (20 min—1956—Color).

200 **I&E Sportsreel**

Highlights major sports events of 1955—"Baseball World Series"—"Tennis Thrills"—"Battling the Bulls"—"Folding the Bulls in Spain"—"AAU Diving and Swimming"—"Strong Men Behind the Iron Curtain"—"Pitt Late Drive Whips California"—"Women Wrestlers"—"Swaps vs Nashua" (34 min—1955).

201 **I&E Sportsreel**

"Football Upset of the Season"—"Modern Pentathlon"—"Irish Upset in Last Game"—"Iron Curtain Thriller"—"Canine Caddy"—"Campbell Sets Speed Record"—"Sports Spectacular—Army vs Navy" (35 min—1956).

202 **I&E Sportsreel**

"Golden Gloves," "Basketball—Slightly Fishy," "Winter Sports on Snow and Ice," "The Big Streaks," "Fish Plentiful in Panama Bay," "Winter Olympics 1956" (33 min—1956).

203 **I&E Sportsreel**

Ski jumping—Speed bike classic—Golf—Children's boxing tournament—Track meets—Soccer—Deep sea fishing—Bowling—Baseball (30 min—1956).

204 **I&E Sportsreel**

"Landy Loses and Wins"—"Indianapolis 500"—"Modern Atlas Sets Records"—"Olympic Acrobats"—"Bike Jockeys go All Out"—"Little Leaguers Get Big Start"—"Junior Cowboys Ride them Rough"—"Big Winners on the Turf"—"College Oarsmen Photo Finish"—"Jolly Roger Flying High"—Animated sequences in US Laws (31 min—1956).

205 **I&E Sportsreel**

"Olympic Trials," "The Lighter Side," "U.S. Open," "Ride 'Em Cowboy," and "All-Star Game"—Animated sequence defines the fights and responsibilities of freedom (21 min—1956).

AFIF No.

206 **I&E Sportsreel**
Includes: "Army Runners Smash Records," "Boats Fly—No Kidding," "Model Planes," "Antique Cars Still Roll," "AAU Swimming and Diving," "Hambletonian," "Roaring Redlegs,"—An animated sequence is included on freedom of thought (21 min—1956).

207 **I&E Sportsreel**
Includes: "National Tennis," "Olympic Women," "King Football Takes Over," "Sport Flashes" and "Gold Cup Powerboats"—Animated sequence on the importance of discipline and honorable behavior in both military and civilian life (21 min—1956).

42. Armed Forces Screen Magazines

The films in this series are short sequences of varied and timely topics of interest. They are especially designed to enlarge the soldier's perspective of WW II, the Korean conflict, and events and new developments of interest to the military. The series consists of Army-Navy Screen Magazines (ANSM), issues No. 32, 46, 53, 55, 62, 68, 74, 75, 78, 81 through 86; Armed Forces Screen Reports (AFSR), issues No. 87 through 99, 101, 106 through 109, 114, 117, 120 through 140; Report to the Armed Forces (RTAF), issues No. 141 through 150; Armed Forces Screen Magazines (AFSM), issues No. 501 through 545.

ANSM No.

32 **Invasion of Normandy**
Message from Lt Gen Joseph T McNarney (19 min—1944).

46 **Brought to Action; Sea Battle**
Naval story of the second Battle of the Philippine Sea (22 min—1945).

53 **Anniversary Issue**
History of Army-Navy Screen Magazine (21 min—1945).

55 **The Answer Is Nuts; Bastogne**
Action features 101st Airborne—Strictly GI; By Request; Scenes from home, around the country (20 min—1945).

62 **The Fleet that Came to Stay**
The Navy at Okinawa (19 min—1945—From Navy Film MN 5802).

68 **Surrender in the Pacific**
Signing of surrender terms aboard the U.S.S. Missouri (19 min—1945).

74 **Tale of Two Cities**
Atomic bombing of Hiroshima and Nagasaki (14 min—1946).

75 **Seeds of Destiny**
Famine in Europe (20 min—1946).

78 **Day of Victory**
V–J day and events leading to conclusion of WW II (17 min—1946).

NUMERICAL INDEX

ANSM No.

81 **Pigskin Stuff**
Highlights of outstanding 1946 foootball games—White Safari; Story of Canadian Army's arctic expedition (21 min—1946).

82 **Rain or Shine**
Story of weather predictions—GI Quiz No. 3 (19 min—1947).

83 **Last Down**
Football highlights, 1946 (17 min—1947).

84 **Seeing Things**
Army travelogue (21 min—1947).

85 **Antarctic Expedition**
Admiral Byrd (19 min—1947).

86 **Atomic Power**
(18 min—1947—Commercial Adaptation).

AFSR No.

87 Zipper Fleet (Navy ships put in moth balls)—GI Quiz No. 4 (19 min—1944).

88 Food for Thought (Army food conservation)—No Place Like Home (Army home and community life) (16 min—1947).

89 Officers' School; US Army (Training potential military leaders) (21 min—1948).

90 Jump (Short version of TF 31–1471–Basic airborne training)—Forgotten Islands (Up-to-date views of WW II island bases in the Pacific (19 min—1948).

91 National Defense (Preparing for security)—Enough Rope (Mountain climbing) (19 min—1948).

92 Task Force Frigid (Personnel and equipment tests in severely cold climate)—V–2 Rocket (V–2 rocket tests at White Sands Proving Grounds) (18 min—1948).

93 Pacific Pathways (Pacific islands used by US in WW II (20 min—1948).

94 Korea Today (Rehabilitation progress effected by American occupation) (19 min—1948).

95 Arctic Igloo (Construction and value of the igloo)—Something About a Soldier (Behavior and appearance) (18 min—1948).

96 Best by Test (Army food and clothing) (21 min—1948).

97 Problems of Peace in Europe (Postwar political, economic, and social problems (20 min—1948).

98 General Pershing (Life story)—ROTC at Work (Army summer training) (21 min—1948).

99 Higher and Faster (Rapid improvement of aircraft) (19 min—1948).

101 Problems of Peace in Asia (Political and economic problems and their effects upon world peace) (21 min—1948).

106 Women in the Service (Accomplishments, traditions, and heroism of servicewomen) (17 min—1949).

107 Our American Heritage (Constitution and Bill of Rights)—(21 min—1949).

NUMERICAL INDEX

AFSR No.

108 The Reserve Team (National Guard, National Air Guard, Officers' Reserve Corps, Air Reserve Corps, and Reserve Officers' Training Corps) (20 min—1949).

109 Problems of Peace in the Americas (Advantages of political and economic reconciliation in western hemisphere) (19 min—1949).

114 Research and Development (Improving standard items of arms and materiel) (22 min—1940).

117 Frontier Days (Pioneers of our nation) (17 min—1950).

120 Army Sports (Army sports program)—Operation Portrex (Exercise to test the possibility of recapturing the Caribbean islands of Vieques from an aggressor) (21 min—1950).

121 Our Stand in Korea (Inception of Korean campaign) (19 min—1950).

122 Puerto Rico (Industrial development with help of armed forces) (17 min—1950).

123 The United Nations and World Disputes (Story of UN) (21 min—1950).

124 Recreation and Athletics in the Navy (Navy's physical training program)—Germany (Western Germany under allied occupation and with Marshall Plan aid) (19 min—1950).

125 The Crime of Korea (Korean Red atrocities) (12 min—1950).

127 US Forces in Europe (Rehabilitation of German people in US zone contrasted with those in Russian zone) (17 min—1951).

128 Self Preservation in Atomic Bomb Attack (Individual safety measures in A-bomb attacks under different conditions) (18 min—1951).

129 Weather—Friend or Foe (Intelligent use of data as means of facilitating efficient execution of military operations—Air Force and Navy weather services cooperate with US Weather Bureau in compiling and evaluating weather data) (22 min—1951).

130 Defense of the Western Hemisphere (Natural regional entity of North and South America in world affairs—Cooperate community in peace and war—Organizations of American states, Treaty of Rio, and Bogota Charter—Inter-American Defense Board—Military assistance provided by US military missions, and agreements on standardization of military doctrines and equipment) (18 min—1951).

131 The Soviet Union and Its People (Geographical features — Climate — History — Industry — Transportation — Culture — Political organization — Vastness and variety of country — Complex treatment of inhabitants) (19 min—1951).

132 Japan (Introduction to country and people) (13 min—1951).

133 Italy (Roman empire and modern Italy)—Air Force Firepower (Bombing and strafing techniques) (19 min—1949).

134 Blood and Bullets (Desperate need for whole blood in Korea—Combat scenes of actual blood transfusions in Korea—Ease with which it is possible to donate blood) (14 min—1951).

AFSR No.

135 Independence Day 175th Anniversary (Rededication to principles and ideals of Declaration of Independence)—Aerobees (Operation of armed forces rocket missile) (13 min—1951).

136 Soldiers of Freedom (Soldiers from other countries attend The Infantry School at Fort Benning, Georgia, under MDAP) (21 min—1951).

137 The Return of the Zipper Fleet (Reactivation of WW II mothballed vessels) (17 min—1952).

138 Operation Camid VI (Joint training of West Point cadets and Annapolis midshipmen in technique of amphibious operations conducted with the help of veteran Marine Corps units—Mock landing against hostile force on Virginia coast below Little Creek)—The Navy and Science (Navy research to combat disease; more efficient means of production; more economical power plants; better weapons of every sort) (21 min—1952).

139 Military Use of the Helicopter (Versatility of helicopter—Use for liaison, observation, and reconnaissance, rescue at sea, and ability to salvage usable equipment wrecked near the front lines) (14 min—1952).

140 NATO, Action for Defense (Demonstrating purpose of SHAPE, the operational organization for NATO—Building invincible combined armed forces for defense of Europe against Soviet threat of war) (20 min—1952).

RTAF No.

141 **Role of the Cameraman**
Visual documentation of WW's I and II and Korea showing photography as a weapon—Tactical and strategic planning—Photography serves intelligence, reconnaissance, identification, evaluation, training, information, and historical purposes (12 min—1952).

142 **Japan Logistical Command**
Highlighting main operations of JLC—Program of reclamation and rebuilding, using war surplus and battlefield salvage; hydroponic farming; processing of casual replacements; evacuation of casualties; and the commissary train—How JLC met the critical shortages in arms and equipment early in Korean war—Wide use of indigenous labor and facilities—Cost savings (19 min—1952).

143 **Report on Aberdeen Proving Ground**
The tests and experiment conducted on our fighting weapons (19 min—1952).

144 **This is Lakehurst**
A pictorial tour of The Naval Air Station at Lakehurst showing these activities in addition to naval training, development, and operation: schools for aerographer's mate, parachute rigger, lighter-than-air pilot, lighter-than-air nonpilot, helicopter squadron two, airship squadron three, and the overhaul and repair shops (17 min—1952).

145 **Strategic Air Command**
A brief pictorial outline of the purpose and operation of strategic air command—Routine practice bombing runs (20 min—1953).

RTAF No.

146 **Pilots for NATO**

This film follows air cadets from NATO nations through the combat pilot training activities at American airbases—Courses include instruction in "blind flying," "instrument flying," and mastery of high speed jet fighters (20 min—1953).

147 **Atom Atoll**

Official report of atomic bomb tests conducted by joint task force on Eniwetok Atoll employing 8,500 persons—Preparations—Waiting period—Blast—Use of pilotless, drone, and jet planes (16 min —1953).

148 **Arctic Rampart**

Showing construction of the large airbase at Thule, Greenland, 900 miles from the North Pole—This biggest peacetime construction project, built with the permission of the Danish government, is the result of the combined efforts of US armed forces and private construction companies—Airbase serves heavy bombers and jet fighters on a year-round basis and is the most northerly and strategically located arm of allied defense (15 min—1953).

149 **Wright-Patterson Air Force Base**

Accomplishments of the Air Materiel Command and Wright Air Development Center—Research and development laboratories—How Wright-Patterson achieved technical air supremacy for US (19 min —1953).

150 **Follow Me**

How the Infantry School at Fort Benning, Georgia, conditions and trains men for military leadership (20 min—1953).

AFSM No.

501 **Army Turns on Heat**—Story of an improvised flame thrower used in Korea. Rhine River Patrol—Brief study of NATO control of river traffic on Germany's geatest inland waterway.

What's New in the Air—(1) Ribbon parachute, a light parachute that absorbs shocks; (2) Tandem floating landing gear for use of light planes on rough fields.

Hospital Ship Gets 'Copter Decks—New decks for helicopter landing on hospital ships.

Flying Haymaker—Assembly and operation of the Tarzan guided weapon plane, showing its pinpoint accuracy.

Ski Thrills—Pictorial report of Army ski meets in Germany and Japan (17 min—1952).

502 **What's New in the Service**—The Patton 48 tank is put through its paces.

Tough Talks from *U. S. S. Wisconsin*—Cameraman views a battlewagon in combat.

Olympic Tryouts—Pre-Olympic elimination contests for servicemen.

It's a Man's Life—Humorous treatment of what a dog would likely think about while being trained for scouting (21 min—1952).

503 **What's New in the Service**—Demonstrating (1) Practical application in Korea of body armor; (2) A lightweight rifle being tested for general use.

Sierra Wave—Air Force and Navy tests of soaring planes between Mount Whitney and Death Valley.

AFSM No.

Carrier-borne 'Copter—Demonstrating a pattern of ship-to-shore attack by vertical envelopment utilizing helicopers and carriers.

Dreamboat—Reporting the maiden voyage of the diesel motor troopship that features showers, barber shops, and comfortable quarters for families accompanying servicemen overseas (13 min—1953).

504 **What's New in the Service**—(1) A Navy inventor briefly explains the principle of atomic powered submarines; (2) Tests at Aberdeen Proving Ground of a jeep.

WACS in Eucom—Depicting the daily routine of the woman soldier in Europe.

Bolling vs Quantico Marines—Air Force and Marine teams participate in service football league seasons.

Yesterday's Battleground—A glimpse of the battletorn Pacific Islands 10 years after the war.

Super Monk—The 28-mile journey into space and the safe return of animal passengers in an aerobee rocket (21 min—1952).

505 **What's New in the Service**—New snow removal equipment is demonstrated in the High Sierras.

Sweet Adeline—Army and Air Force versions of "Tiger Rag" and "Toidy Toid and Toid" in the National Barber Shop Quartette Contest.

The Big Wheel—Testing airmen's reaction to extreme pressures in flight by whirling the men in a huge naval centrifuge at the speed of sound.

Old Baldy—Typical front line fighting in Korea.

Football in the Service—Two midseason games, Great Lakes vs Air Force and Ft Jackson vs Air Force (22 min—1953).

506 **What's New in the Service**—The BARC, huge amphibious vehicle capable of carrying a tank and a crane.

Higher They Go—Troops learn and practice mountain climbing techniques at Ft Carson, Colorado.

Air Force OCS—Airmen and airwomen receive OCS training coeducationally at Lakeland, Florida.

Icebreaker—A Navy icebreaker on a reconnaissance mission in the Bering Sea.

Army-Navy Game—Highlights of the 1953 service game of the year (21 min—1953).

507 **What's New in the Service**—Uses of the portable iron lung.

Casey GI Jones—Employees of large commercial railroads cooperate in teaching all phases of railroading to soldiers.

Iwo Memorial—Bronze tablet of flag raising at Mt Suribachi on Iwo Jima.

Kapyong School—Contributions by soldiers in Korea found a school in memory of one of their buddies who was killed in action.

Air Force Judo—Japanese masters teach airmen practical applications of Judo at a Tokyo school (18 min—1953).

508 **What's New in the Service**—A meteorological weatherwind computer, the Rawin field set, collects firing data for big guns.

The B–47—Operation and maintenance of the Air Force stratojet bomber.

Korea's Children—GI's distribute clothing and candy to refugee orphans.

AFSM No.

On Target—Glimpses of activities at Dahlgren, the Navy's testing ground for new weapons.

Gesundheit—Servicemen enjoy winter sports on a 3-day pass at Garmisch-Pertenkirchen (19 min—1953).

509 **What's New in the Service**—(1) Debut of Republic F84–F Thunderstreak fighter bomber; (2) Demonstration of a firefighting jeep for use on Navy carrier decks; (3) Helicopters set up a smokescreen in Korea using an improvised grenade dispenser.

Hospital Ship Repose—A glimpse of a floating general hospital showing the modern facilities.

Report on Formosa—Military situation on Formosa, March 1953.

Strike Up the Band—A tour of the Navy School of Music where armed forces musicians are trained (20 min—1953).

510 **What's New in the Service**—Theory and practice of Navy's Delta jet and Army's Coldbar winterproof suit.

Operation Hideout—Interview with sailors who voluntarily remained submerged for almost two months in the submarine *U. S. S. Haddock* for experimental purposes.

Yanks to Yokohama—A couple of soldiers from Korean front enjoy a 5-day pass in Japan (20 min—1953).

511 **Interservice Basketball**—Navy vs Marine Corps basketball game at Omaha University.

Interservice Boxing—Army boxers victorious in service competition at the Naval Training Center, Bainbridge, Maryland (20 min—1953).

512 **B–47 Refuels in Midair**—A flying gas station refuels in midair a B–47 from MacDill Air Force Base, Tampa, Florida.

Don't Give Up the Ship—Realistic training demonstration of a sinking ship at damage control center, Philadelphia Navy Yard.

Struggle Pit—Hand-to-Hand combat in Signal Corps basic training course at Camp Gordon, Georgia (15 min—1953).

513 **Mighty Mite**—Demonstrating the versatility of the Mighty Mite, the Marine Corps all-purpose amphibious vehicle.

Navy Test Boat—Navy's hydrofoil boat literally flies, its thin metal blades lift the boat hull out of the water.

Flying Midgets—Report of model airplane meets at Amarillo Air Force Base, Texas, and at Tokyo, Japan.

Interservice Track Meet—Annual track and field meet, held in 1953 at Ft Jackson, So Carolina (14 min—1953).

514 **Two-Rotor 'Copter**—Ambulance Jeep—Bull Moose Tractor—Demonstration and description of (1) a powerful two-rotor helicopter used as a speedy but comfortable ambulance jeep, and (2) a large tractor.

Front line Daily—Origin, make-up, and service of the Army's Newspaper, "Stars and Stripes."

Blue Angels—Demonstration of close formation flying by a team of Naval aerial acrobats (15 min—1953).

515 **Kangaroo Plane**—Navy Sky Rocket—Demonstrating (1) The Air Force kangaroo plane, a B–36, carrying within its body a small jet bomber, and (2) a Naval experimental rocket plane which exceeds 19 miles per minute.

AFSM No.

Signal Corps Television—Showing Signal Corps mobile television units at work on maneuvers at West Point, emphasizing use of television in tactical operations on the battlefield.

Nautical Notes—Report of (1) Annapolis "Middies" summer cruise, and (2) assignment of Waves to ship duty for the first time.

UN Headquarters—Service personnel tour UN Headquarters in New York (17 min—1953).

516 **Dick Tracy Radio**—Signal Corps demonstration of a tiny experimental wrist watch radio.

Thunderbirds—Exhibition of airmen's skill in formation flying.

Taylor Model Basin—All Navy Ships and aircraft are tested as models at this installation before construction is started.

Bolling vs Quantico—Highlights of service football game (16 min—1953).

517 **Berlin 1954**—This whole issue is devoted to the modern "Tale of Two Cities," as seen through the eyes of a soldier—The democratic Western Sector is divided from the communist East Zone by the Brandenburg Gate (19 min—1954).

518 **F–100**—Stiletto Plane—A glimpse of the X–3 experimental operational jet plane in flight.

Exhibit (A) for Army—Korean POW and other stories dramatized at Army Exhibit Unit, Cameron Station, Virginia.

Army-Navy Football Game—Scene from the colorful 1953 Army-Navy football game at Municipal Stadium, Philadelphia (18 min—1954).

519 **The Old Sarge**—The Delong Pier—Air Force Navy Prototypes—Master Sergeant Pop Tittel, 45 years of service with the Air Force—Th Delong Pier, an 800-ton floating dock built by Army Engineers—The XF–88, a high speed propeller research plane—Launching aircraft into the air without a trail of smoke using the smokeless jato.

Quantico Shoot—Modern marine riflemen compete with men using Civil War weapons and dressed in uniforms of that period.

The Big Blow—The wind tunnels at Langley Field and the Arnold Engineering Development Center (13 min—1954).

520 **Space Helmet**—A US Navy doctor uses a new method of administering anesthetic to children.

Vienna Crossroads—Unique situation of Austria in Europe.

It Began Like This—The Retreat Ceremony—History of "Retreat." Original music score by US Army Band (19 min—1954).

521 **New MATS Hospital Plane**—Marine Corps Giant Helicopter—New hospital evacuation aircraft equipped with latest medical equipment for Military Air Transport Service—Marine Corps' new giant twin engine helicopter.

WAF World-wide Basketball Championship—All-girl basketball squads representing Keesler and Lackland Air Force Bases compete for the court championship, which was won by the Lackland team for the third successive year.

NIKE Missile.—A look at this special weapon in the civil defense system—Presented with a background story on rockets and guided missiles (18 min—1954).

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522 **Hunter Killer**—Showing how a team of Navy vessels and aircraft track and destroy a submarine in mid-Atlantic (21 min—1954).

523 **Honest John—Corporal**—Army's newest rocket and guided missile.

The Remaining Few—Fort Myer's horse-drawn caisson performs for the camera.

Time Please—Brief story of the US Naval Observatory (11 min —1954).

524 **T–43 Tank**—Bridge Drop—New T–43 tank walks, runs, and climbs in front of camera—Engineers and paratroopers lay 500-foot bridge in 30 minutes in Japan.

The Greater Service—Numerous civilian benefits derived through Armed Forces activities as a result of research and development.

The Air Force Button—A filmagraph showing the origin and background of the Air Force button (16 min—1954).

525 **The Fastest Man on Earth**—Air Force Colonel rides rocket propelled sled, warming up to a speed of 420 miles an hour.

Eskimo Scout—Eskimo scout, of the Alaskan National Guard, helps to guard an Arctic gateway to America.

The Darmstadt Case—US Army's criminal investigation detachment in Frankfurt, Germany—Operations in European Command (16 min—1954).

528 **Vertical Takeoff**—At Moffett Naval Air Station, Navy Experimental Convair XFY–1 prepares for vertical takeoff in its free flight test program.

Ejection Seat—The camera shows what happens 10,000 feet above the Gulf of Mexico when a man is shot out of a bomber.

Television in the Service—How television, a versatile tool, is adapted by the armed services (20 min—1954).

529 **A Musical Merry Christmas**—Greetings to servicemen, with carols by West Point Choir, Annapolis Choir, joined by girls from Hood College and famous Air Force Singing Sergeants Dance to Eddie Fisher's song "Christmas Eve in My Home Town" (21 min—1954).

530 **New Air Chow**—Air Force mess sergeants become culinary experts under the watchful eyes of the master chefs in the George V Hotel in Paris.

Military Heraldry—Background of Military insigna.

Northwest Passage—Icy lanes of the Arctic Ocean are opened by ships of US Navy after repeated attempts since days of Henry Hudson.

On Target—Bombing contests by B–36's and B–47's of the Strategic Air Command—Firepower demonstration of fighter plane from Eglin Air Force Base (22 min—1955).

531 **The Flying LST**—Navy's Guided Missiles—Navy presents a flying troopship and its latest selfguided missile.

Army-Navy Game—Game of 1954 goes to Navy (21 min—1955).

532 **Super-Carrier Forrestal**—Navy launches world's largest carrier.

Capitol Nike Base—Practice "Alert" at one of the newly established NIKE guided missile bases near the Capitol.

AFSM No.

To the Ladies—Complete tour of the newly dedicated WAC Center at Fort McClellan, Alabama (19 min—1955).

533 **Mount Vernon**—A guided tour of George Washington's home on the banks of the Potomac.

Marine Uniform—Story behind this colorful uniform from the inception of the Marine Corps to the present day (16 min—1955).

534 **Droppable Take-Off Gear**—Air Force develops an ingenious procedure which allows its planes to take off with greater loads, and from rougher runways.

Steam Catapults—Catapult launchings aboard the aircraft carrier, U.S.S. Hancock.

Illuminated Flight-Deck Suit—Unique nighttime footage of new electrified flight-direction suit, aboard Navy carrier.

Supermonk Retires — "Space-Cadet" (dubbed "Super-Monk") shown in retirement quarters at Smithsonian Zoo, Washington 25, D. C.—Flashback feature of his former rocket-riding days.

Icecap Caravan—Story of a small expedition which crossed 1,600 miles of the Greenland Icecap, establishing a route for heavy vehicles (19 min—1955).

535 **Underground Housing Installations**—Underground Atom Blast —Air Force goes underground in the Far North while the underground blows topside in an atomic explosion at Desert Rock.

Take Her Down—Story on submarine from turn of the century to the launching of the NAUTILUS.

Winter Sports—Spectacular ski jumping at Garmisch-Partenkirchen, Germany—Army and Air Force teams compete in bobsled race at Lake Placid, New York (19 min—1955).

536 **Pan American Games**—Highlights of the 1955 Pan American Games held in Mexico City (19 min—1955).

537 **Navy Research Aircraft** — New Signal Developments — Navy demonstrates practical version of a flying saucer—Signal Corps shows off its latest electronic device.

Nautilus Shakedown—Air Force cameraman explores the inner workings of the world's first atomic submarine.

B–36—Story of the real backbone of the Strategic Air Command, the B–36 Bomber (20 min—1955).

538 **Diagnostic Heart Radio**—Navy unveils its latest weapons against heart disease.

Davy Crockett, Jr. Grade—Smallfry at Fort Myer don coonskin caps and get out their shooting irons.

A President Goes to School—Story of the President's 40th class reunion held at West Point during June week, 1955 (18 min—1955).

539 **The Navy Terrier**—SS Neversail—The Bell X2—The Texas Tower Navy's Terrier, a self-guided missile tracking down its target—Army training ship that never goes to sea—Bell X2, fastest thing in airplanes to date—Texas Tower, newest link in our radar defense chain.

Deep Freeze for Twelve—Story of survival training on the Icecap (15 min—1955).

540 "***U.S.S. Forrestal***", "***Delta Ray***", "***Sea Master***", and the "***Skyhawk***"; "***Ontos Tank Destroyer***" and experimental test on ejection seats for Air Force.

AFSM No.

Atom Soldier—Proof that foot soldier can survive the atom blast.

Leatherneck Notes—Brief history of Marine Corps Band (18 min—1956).

541 **Armed Forces Talent Show**—Talent of all types from all the Services entertain (30 min—1956).

542 **Signal Corps Drone**—Demonstration of the radio-controlled reconnassiance craft.

The Albacore—New submarine showing radical new hull shape and control system.

The B–52 Flight—SAC's new swept wing jet bomber on ground, in flight, and refueling in the air.

Alpine Holiday—Service couple takes leave in Germany's Bavarian Alps (19 min—1956).

543 **Portable TV Camera**—Enables Commanders to watch front line action and evaluate operations at the Command Post.

The Aerodyne—Verticle air jet experimental model shown in full operation.

The Aerocycle—An experimental one-man flying machine.

The Hurricane Hunters—How the Air Force and Navy cooperate in getting vital information on hurricane movements.

AN I&E spot announcement on voting—(15 min—1956).

544 **B–52 Crew Demonstrates Cross Wind Landing Gear**—Permits large planes to maneuver in smaller areas and land in rough weather.

Navy "Grasshopper" Sends Weather Data—An automatic operating mechanism, sends accurate weather data for months at a time over distances up to 800 miles.

Moving Dry Dock Rescues Landing Craft—New Landing Craft Retriever, capable of carrying small vessels, up to 80 tons, in rescue operations.

"Biggest" Snow Train for Arctic Snows—Capable of carrying very heavy loads over snow covered wastes.

Bone-Fide Soldier—Feature on dog training by Army in Germany as viewed by the dog.

Frogmen's Holiday—Navy frogmen enjoy undersea fishing in waters off the Virgin Islands (18 min—1956).

545 **Includes "Supersonic Jets Fly From Forrestal," "Jet Plane Crashes in Essex Landing" and "Meet the Artists"**—An animated sequence defines the rights and responsibilities of freedom (17 min—1956).

43. Campaign Reports

Campaign Reports (CR) present chronological developments of entire campaigns.

CR No.

1 **Liberation of Rome**

Entry and liberation of the first of the Axis capitals to capitulate (21 min—1944—Withdrawn from all types of public exhibition—Withdrawn from oversea commands—From British Army Film BC 7198).

CR No.

2 **San Pietro**
Graphic account of capture of an Italian village (32 min—1945).

3 **Stilwell Road**
Construction of highway through extreme natural obstacles under enemy fire (52 min—1945).

4 **Appointment in Tokyo**
Motion picture record of Gen MacArthur's operations from the Fall of Corregidor to Japanese surrender ceremonies in Tokyo Bay (56 min—1945—Withdrawn from all types of public exhibition).

44. Combat Bulletins

Combat Bulletins (CB) are newsreel-type films. CB's No. 1 through 66 deal with WW II, while No. 101 through 113 deal with the Korean conflict. Production of these bulletins was discontinued on 13 November 1951.

CB No.

1 Combat shots, Pacific and Italian theaters (13 min—1944).

2 Bridging the Volturno River, Italy—Landings in South Pacific area—Hawaiian training branch—Invasion of Cape Gloucester (14 min—1944).

3 Building pillbox in Italy—Battlefield concealment—Operations at Los Negros—Embarkation for Anzio—Capodichino airfield in Italy (20 min—1944).

4 Battle for Cassino—Japanese and jungle—Tanks and infantry face enemy fire (19 min—1944).

5 Stop that tank, rear area in India—Something new has been added—Various special devices, South Pacific—Bazooka quadruple power—Land mine problem—The B–29, modern day specialist (16 min—1944).

6 Beachhead operations—A day on a European beachhead (23 min—1944).

17 Invasion of southern France—Operations in northern France—Operations in Burma—Japanese attack US task force (38 min—1944).

18 Progress in southern France—Activities in Italy—Seized German film—Invasion of Sansapor—Battle of France (39 min—1944—Withdrawn from all types of public exhibition).

19 Expansion of beachhead in southern France—Activities on Ledo and Burma Roads—Activities at Leghorn, Italy—Operations in northern France (21 min—1944).

20 Flying bomb sites—Capture of Toulon and Marseilles—US airmen freed in Roumania—Operations in France and Belgium—Canadian 1st army—British 2d army—American 1st and 3d armies (24 min—1944—Withdrawn from all types of public exhibition).

21 Progress in southern France—Activities in Italy—Bridge over Salween River—Clean-up Aitape, New Guinea—North France and Beligum—American 1st and 3d armies (20 min—1944).

22 Yanks in Germany—American 3d and 7th armies meet—British take Antwerp—Buzz bombs halted—Nazis give up—Airborne army take-off (26 min—1944).

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23 Boring into Siegfried Line—Rhine bridge seized—Battle for Lorraine—Gothic Line cracked—Pacific war steps up—Canadians clearing channel (26 min—1944).

24 Channel coast activities—Ordnance repairs—German frontier operations—Airborne operations—Toulon Harbor installations—Invasion of Palau Islands (20 min—1944).

25 Evacuation of Kweilin—Supply for American 1st army—Allies near Po Valley—Americans rebuild Japanese base—Invasion of Anguar (25 min—1944).

26 Capture of Tengyueh, Burma Road barrier—Fifth army on road to Bologna—Seized film on Ploesti oil field—Artificial harbor in Normandy—Activities in ETO—Cross-canal flame thrower—Railheads bring tanks to front—U-boat at Brest—Battle of Aachen—AMG in Germany—RAF bombs Germany (31 min—1944—Withdrawn from all types of public exhibition).

27 Clean-up Peleliu and Anguar—Activities in ETO—More Brazilian troops reach Italian front—Preparations for Philippine invasion—Landings on Leyte (28 min—1944).

28 Activities in ETO—Battle of the Netherlands—Glider pick-up at Eindhoven—Air Force fiighter kills—Liberation of Greece—Activities in Burma—Gen Seagrave's field hospital unit—The US Navy presents—Battle of the Philippines (19 min—1944).

29 Activities in ETO—Battle of the Netherlands—Testing German ammunition—Utilization of local industries—Artillery supplies a trapped battalion—Winter shoes for tanks—Demolition of roadblocks—Weasel M29-C—Additional films of Palau operations (22 min—1944).

30 Activities in ETO—RAF sinks Tirpitz—Frontline steel production—Bombed Belgian rail network—Rain and snow slow allied armies—Burma operations—Activities in Phillippines (21 min—1944).

31 Personnel pick-up tests at Wright Field—Wine barrel revetments—Eighth Air Force fighter kills—Remote control tank—Opening of big push—Huertgen Forest—Aachen area (15 min—1944).

32 Activities in ETO—American 1st and 9th armies drive closer to Roer River—Holland front—British introduce a new mine detector—Belfort and Mulhouse fall to French units—Sharpshooting course for jungle fighters—Italian front—Russian film showing fighting in Warsaw suburbs—B-29's attack Tokyo—Carrier planes attack Manila (21 min—1945).

33 School for jungle life—Activities in ETO—American 1st and 9th armies drive forward on Aachen front—To the south, US and French troops of the 6th army press forward before the Rhine plain—Island ice box—Advance toward Ormoc Road—Carrier strikes in Ormoc and Manila Bays (18 min—1945).

34 Activities in ETO—Ninth army front—Port of Antwerp—Fighter kills—Malaria control in Corsica—B-29 crash in China—Japanese phosphorous bombs—Capture of Bhamo, Burma Road link (16 min—1945).

35 Japanese raid Saipan B-29 base—GI's get whole blood from homefront—"Black Widow" and "Jato"—Activities in Burma, China, and ETO (20 min—1945).

CB No.

36 Operations in Philippine Islands—Ormoc landing—Troops land on Mindoro—Mediterranean area—German work mobilization—ETO—German offensive (23 min—1945).

37 Activities on Leyte and Mindoro—Air ferry route to Siberia—Advance in Burma—Nazi version of action in East—Activities in ETO (24 min—1945).

38 Admiral Nimitz speaks on Pearl Harbor anniversary—"Mars Task Force" at Tonkwa—XC–97 cargo transport—Nazis driven from Greenland coast—Winter on the Italian front—Trench foot problem at front—Allies counter in Battle of the Bulge (21 min—1945).

39 Island airport in Axis waters—Experimental activities of AAF—Ledo-Burma Road—Field problems on Western front—M24 light tank—Modifications on M4 tank—Single-plane Borneo attack (15 min—1945).

40 Attack on Manila Harbor—First landing on Luzon—Action on Western front—Alsace front—Bomb damage viewed at captured oil plant—Sumatra oil refineries bombed—Para-demolition on NE Celebes (20 min—1945).

41 Bombing of Manila airfields—British take Akyab—Opening of Ledo Road—Carrier force strikes Formosa—Italian front—Activities in ETO—Frontline shower bath—Bombing of Berlin (26 min—1945).

42 Meeting of allied leaders—Nazi shipping attacked along Norwegian coast—New aircrew oxygen bottle—Activities in ETO and Burma—Bailey assault bridge—Army-Navy planes hit Japanese installations—Operations in the Philippines (31 min—1945).

43 Activities in ETO—Trays from scrap metal—DDT spray for jungle—Capture of Ramree—Modern plant services allied aircraft—Stilwell Road convoy reaches Kumming—Luzon operations (23 min—1945).

44 Invasion of Iwo Jima—Jet propelled P–59—Activities in ETO—Gen Marshall's inspection of Italian front—Manila (25 min—1945—Withdrawn from all types of public exhibition).

45 Action on Iwo Jima—Radio Luxembourg—Activities in ETO—Roosevelt meeting—Activities in Philippines—Manila—Corregidor and Mariveles (30 min—1945).

46 Allied air attacks on Germany—Rhine offensive—A–26 Invader—Manila clean-up—Air rescue on Japanese-held island—Iwo Jima (29 min 1945—Withdrawn from all types of public exhibition).

47 Tokyo strikes—Activities on Iwo Jima—Clean-up on Corregidor—China supply problems—Jungle shelters—T26 tank—Additional films on Rhine offensive (27 min—1945).

48 Air support on Western front—Shangri-La—Activities in ETO—British Jet plane—M69 incendiary bomb—Capture of Lashio and Mandalay—Second airfield taken on Iwo Jima—Ryukyus attacked (31 min—1945).

49 Additional film on Iwo Jima—Invasion of Panay Island in Philippines—Aerial supply on Leyte—B–32 Dominator—War dogs—Honor defenders of Bastogne—Rhine airborne operations (25 min—1945).

50 Ryukyus operations—Activities in Buma—P–80 Shooting Star—Fifth army ordnance pool—US forces drive deeper into Germany (29 min—1945).

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51 Story of Remagen bridge capture—Navy moves inland—Philippine operations—Advance on Okinawa—Activities in Burma—Nazi atrocities (28 min—1945—Withdrawn from all types of public exhibition).

52 Advance in Italy—Activities in ETO and in Luzon—Transportation methods in China—Tokyo strikes—Additional Okinawa films—Attack on Kure naval base (26 min—1945—Withdrawn from all types of public exhibition).

53 Sec Stimson and Gen Marshall—Activities on Okinawa and in ETO—Mop-up in Manila Harbor—Atrocity films—Surrender—Gen Eisenhower makes VE-day statement (33 min—1945—Withdrawn from all types of public exhibition).

54 Action on Okinawa—Two Japanese in dawn sortie—Activities in Philippines—Expedients overcome tank obstacles—V-I over Antwerp—Airborne supply base—Activities in ETO—Atrocity films—Death of Mussolini (32 min—1945—Withdrawn from all types of public exhibition).

55 Additional surrender films—Gen Richardson makes VE-day statement—Fall of Rangoon—Iwo Jima base for Tokyo attacks—Captured Japanese weapons—*USS Franklin* (29 min—1945).

56 Activities in ETO—Paper war—57-mm recoilless rifle—Invasion of Tarakan—Japanese suicide bomb—Capture of Banguio (29 min—1945).

57 Activities in ETO—Disney swish—Enemy fortifications—Mine menace in conquered areas—T66 rocket launcher—Jungle rescue—Activities in Philippines—Attack on Naha (28 min—1945—Withdrawn from all types of public exhibition).

58 Activities in ETO—Floating bridge M4—Activities in Philippines—Sopac University—Postwar jeep—Allied prisoners freed in Rangoon—Shuri Line on Okinawa (26 min—1945).

59 Operation "Pluto"—Allied control council for Germany—New helicopters—Carbine M2—Activities in Philippines—Ledo Road supply base—Additional films in Shuri Line—Expand Marianas airbases (26 min—1945).

60 Activities in ETO—LVT's for beachhead operations—Wire-laying by airplane—Activities of 6th Army group—Service schools in Pacific—Transportation difficulties on Okinawa—F7F Tigercat (20 min—1945).

61 Operation "Fido"—Activities in ETO—Russian one-man carry—M40 and T89 motor carriages—Borneo invasions—Action on northern Luzon—Okinawa—Naval operations off Okinawa—Kobe strike (27 min—1945).

62 Redeployment operations—Activities in ETO—Cavitizing shells for V-T fuzes—Okinawa—Japanese attacks on fleet (21 min—1945).

63 British flame defenses—Revolt in Prague—Redeloyment—New Quartermaster units use leaded gas—Suicide attack on destroyer—Eleventh airborne cuts Japanese escape route—PT boats fire Japanese oil (21 min—1945).

64 Former President Truman arrives at Berlin conference—Demonstration of latest Signal Corps equipment—Recapture of Liuchow—Aguni invasion—Balikpapan invasion—Typhoon hits fleet (19 min—1945).

65 Big Three conference in session—Additional films of Balikpapan invasion—Activities on Okinawa—Reunion on Okinawa—"Little David" 914-mm mortar (17 min—1945).

CB No.

66 Activities in China—Service troops arrive in Manila—Japanese anti-submarine mortar—Third fleet shells Japan—Sinking of *HMS Barham* —Army nurses arrive in Hawaii (13 min—1945).

101 Korea, 10 July through 10 August 1950—Battle for time—Logistics and combat operations of air, sea, and ground forces of UN (29 min—1950).

102 Korea, 10 August through 10 September 1950—Turning the tide—Combat footage of attack and counterattack on ground—Tactical and strategic UN air support—Marines spearhead amphibious landing on Wolmi Island—UN forces capture Inchon and push to outskirts of Seoul —UN forces hold Pusan beachhead and push Red aggressors back (22 min—1950).

103 Korea, 20 September through 20 October 1950—UN offensive—Maps show changing situation (21 min—1950).

104 Korea, 20 October through 20 November 1950—Chinese communists enter war—Speed of UN medical treatment through evacuation of wounded by air—Field demonstrations at Aberdeen (Maryland) Proving Ground—Rough winter weather impedes Navy—Air Force tests on new Fairchild XC–120 pack airplane—Demonstration of US winter uniforms (21 min—1951).

105 Korea, 20 November through 20 December 1950—UN forces escape trap—Third division fighting principal holding action—Tenth corps evacuated by sea from Hungnam—Evacuation of troops, supplies, equipment, and civilians in face of advancing Chinese Reds—Largest amphibious evacuation in military history—Airdrop of supplies—Air evacuation of casualties—Destruction of abandoned supplies—Interrogation of Chinese prisoners (16 min—1951).

106 Korea, 20 December 1950 through 20 January 1951—UN ground forces evacuated from Hungnam aided by naval protective fire—Warehouses, buildings, and harbor facilities destroyed—Evacuation of Seoul —Redeployment of 8th army—Withdrawal across Han River—Flight of civilian refugees—UN troops digging in near Suwon—Fighter-bombers of UN air force inflicting damage on enemy (20 min—1951).

107 Korea, 20 January through 20 February 1951—UN troops capture Suwon and move on to Han River—Digging out enemy in hills—Troops of 25th division reach outskirts of Seoul on 10 February—Red resistance stiffens on central front indicating counterattack—Red positions blasted by massed fire-power of tanks and artillery—Flying boxcars deliver supplies by parachute at Wonju—Dislodging of enemy on hill 584—Operation Killer pushes northward following failure of Red breakthrough attempt (17 min—1951).

108 Korea, 20 February through 20 March 1951—Operation Killer, continues against weakening enemy resistance—C–119's supplying front-line units by air—UN air force continues around-the-clock bombing and strafing of enemy—Troops of 24th and 25th divisions carrying battle to enemy—Near 38th Parallel, 7th division reconnaissance patrol strikes northward (18 min—1951).

109 Korea, 20 March through 20 April 1951—Paratroopers of 187th airborne regimental combat team land near Munsan during Operation Tomahawk—Twenty-fourth division advances in face of stiff resistance at 38th Parallel—ROK division crosses Imjin River with US fire sup-

CB No.

port—Official activities of SHAPE headquarters—Tank-infantry team executes a reconnaissance in force across 38th Parallel-Reconnaissance tank mission against communist snipers (19 min—1951).

110 Korea, 20 April through 20 May 1951—Red spring offensive stalled —UN forces withdraw across Imjin River and through Uijongbu to set up major defenses along Lincoln Line above Seoul—Tank-infantry team deflects Chinese columns as UN planes blast enemy concentrations north of Seoul—"Human sea" tactics of Reds prove costly against superior UN firepower (15 min—1951).

111 Korea, 20 May through 20 June 1951—Allied units push north as tide of battle turns—Infantry unit receives close support from F–51 fighters in smashing enemy hill position—Mud hampers advance of UN forces necessitating airlift delivery of supplies to front—Artillery battery pounds Reds with 155-mm howitzer shells—Pinpointing of communist targets by air-ground team as UN advance continues—Blasting of Wonsan Harbor at night by rocket-firing vessels of UN Navy (19 min—1951).

112 Korea, 20 June through 20 July 1951—Cease-fire talks—Reds stop UN correspondents from entering conference area—Gen Ridgway discontinues talks until enemy agrees to neutralize Kaesong area—Resumption of talks (18 min—1951).

113 Korea, 20 July through 20 August 1951—Infantry patrol in probing action in northwest of Inje—UN communication team installs VHF station as link in radio network—North of Yanggu US infantrymen attack hill 1179, supported by self-propelled 155-mm guns and heavy mortars—Following capture of objective, units reorganize, receive ammunition, and other supplies by airdrop—Return of refugees to Seoul —Retrieval of mine-disabled tank—Cease-fire negotiations at Kaesong (18 min—1951).

45. Department of Defense Film

This film is intended for use by Public Information officers.

DD No.

184–54 **Army's Nike Guards Nation's Capital**
Scenes made at the launcher station near Lorton, Va.—How guided missile Nike is brought into position to fire during simulated enemy aircraft attack—Capabilities of the Nike (5 min—1955).

46. Educational Films

Educational films (EF) serve as guides for vocational, industrial, educational, and rehabilitation purposes.

EF No.

6 **Don't Be a Sucker**
Combating minority group prejudice (18 min—1947—Revised—Withdrawn from all types of public exhibition).

179 **Heights and Depths**
Zinc etchings of line drawing and half-tone photographs for newspapers (9 min—1945).

EF No.

180 **Modes and Motors**
Artistic automotive designing (9 min—1945—Commercial Adaptation).

183 **Electrons on Parade**
Construction and use of the power tube (20 min—1945—Commercial Adaptation).

187 **Painting and Decorating**
Self-explanatory title (10 min—1945).

192 **How to Play Volleyball**
Self-explanatory title (20 min—1945—Commercial Adaptation).

215 **Pottery Making**
Self-explanatory title (11 min—1945).

216 **Metal Working**
Self-explanatory title (12 min—1945).

272 **Printing**
Self-explanatory title (10 min—1947).

47. Film Bulletins

Film bulletins (FB) deal with new military developments (not necessarily based on approved Department of the Army doctrine).

FB No.

[S] **134** **Mark III, IFF Modifications (U)**
(13 min—1944).

[C] **163** **Mustard Spray Tests With Multiple Planes (U)**
(23 min—1944—Limited distribution—Further distribution must be authorized by CCMLO).

[S] **194** **Interim Report on Passage of Beach and Underwater Obstacles (U)**
(28 min—1945—Limited distribution—Further distribution must be authorized by COFENGRS).

3–159 **Fifty-gallon Mechanized Flame Thrower**
Effectiveness—Advantages of tactical mobility, flame power, and protection for operator—Installing equipment—Filling and charging—Firing (28 min—1944—Film Reference).

5–79 **Demolitions for Airborne Engineers**
Use of demolition kit (20 min—1943—Film Reference).

5–85 **Camouflage Dummies and Decoys**
Camouflage in desert warfare—Use of wire, cloth, paper, foilage, mud, and soil in preparation and construction of dummies and decoys (14 min—1944—Color).

5–100 **The Power Control Units**
Study of three rear-mounted power control units used by Army Engineers (17 min—1944—Film Reference).

5–101 **The Tournapull**
Engineer tournapull machine used in constructing airfields (15 min—1944—Film Reference).

5–102 **The Engineer Dozers—Le Tourneau**
Use of two types of dozers—Techniques—Clearing away

FB No.

obstacles and building roads through various types of terrain (26 min—1944—Film Reference).

5–108 **Passage of Beach and Underwater Obstacles**
Tests conducted by the Engineer Board—Various types of beach and underwater obstruction set up and techniques developed to combat them (22 min—1944).

5–111 **Road and Runway Construction—Southwest Pacific**
Rapid construction of supply roads and air strips on captured Japanese islands (18 min—1944—Film Reference).

5–113 **Fixed Bridge Construction**
Construction of various types of fixed bridges—Obstacles—Details of each operation (13 min—1944—Film Reference).

5–119 **Engineers in Combat**
Facilitating forward movement of troops—Retarding enemy (23 min—1944—Film Reference).

5–129 **Engineer Power Shovel and Attachments**
Power shovel—Standard attachments—Operation (21 min—1944 Film Reference).

5–133 **Hand-placed Charges against Beach and Underwater Obstacles**
Placing demolition blocks M2, M3, M4, and bangalore torpedo by hand—Types of beach and underwater obstacles—Functioning of concussion detonator (19 min—1944).

5–137 **Road Maintenance and Construction in Italy**
Engineer maintenance and construction of roads in Italy (10 min—1944—Film Reference).

5–138 **German S Mines**
Common German antipersonnel mines (16 min—1944—Film Reference).

5–140 **Italian Mines**
Common types of Italian mines used by Germans—Construction—Methods of neutralization (9 min—1944).

5–148 **Camouflage in Combat**
Practicability of camouflage—Comparison between training and combat methods—Ingenious examples under battle conditions—Enemy skill and techniques of camouflage (12 min—1944—Film Reference).

5–168 **Port Repair**
Problems—Destruction found in captured ports—Repair for military use (15 min—1945—Film Reference).

5–169 **Petroleum Distribution**
Methods of handling and distributing bulk petroleum in theater of operations (9 min—1945—Film Reference).

5–182 **Road Construction and Maintenance in CBI**
Construction of military roads in CBI theater (18 min—1945—Film Reference).

5–185 **The Bailey Bridge in Combat**
Use of bridge in keeping supplies and equipment moving toward the front (13 min—1945—Film Reference).

5–186 **Japanese Land Mines**
Recognition, function, and neutralization of Japanese Land

FB No.

mines—Dangers of these explosives—Correct disposal methods (14 min—1945—Film Reference).

5–192 **Fixed Bridge Construction and Repair in the CBI**

Building and repairing fixed bridges in CBI theater (12 min—1945—Film Reference).

5–196 **Airfield Construction and Repair in the CBI**

Construction of military airfields in CBI theater by engineers Limited equipment—Obstacles (15 min—1945—Film Reference).

5–198 **Explosives in Combat**

Use of explosives in combat (10 min—1945).

5–199 **German Land Mines and Fuzes**

Description, operation, and disposal of German land mines and fuzes (18 min—1945—Film References).

5–201 **River Crossing Operations in the CBI**

Overcoming difficult obstacles to keep supplies moving across rivers (14 min—1945—Film Reference).

5–207 **Field Airdromes**

Construction of field airdromes (12 min—1945— Film Reference).

7–240 **Air-ground Operations**

Report of infantry battalion maneuvers—Full exposition of the request system—Joint operations center as the heart of all air-ground operations—Plotting the target—Explaining the bomb line—Employing bomber group suitable to the mission—Duties of the operations duty officer—Work of the tactical air control center—Types of armament used—Three elements needed for success (18 min—1952—Film Reference).

7–263 **Fighting in Built-Up Areas—Use of Special Equipment**

Illustrating special techniques and equipment used by infantry in clearing an enemy-held area—What makes fighting in these areas more effective (5 min—1953).

7–264 **Fighting in Built-Up Areas—Methods of Entering Buildings**

Demonstration of correct methods of entering buildings in enemy-held territory—Use of grenades (4 min—1953).

7–265 **Fighting in Built-Up Areas—Methods of Searching and Clearing Buildings**

Rifle squad has the responsibility of searching and clearing buildings—Essential procedures demonstrated (3 min—1953).

7–266 **Fighting in Built-Up Areas—Selection of Positions for Firing**

Emphasizing that selection of proper firing positions greatly increases effectiveness of fire during this type of combat—Tricks of cover and concealment (5 min—1953).

7–268 **Fighting in Built-Up Areas—Organization and Tactics**

Outlining organization and tactics of an attacking unit, the infantry rifle platoon—Functions of major groups. Searching party, covering party, and weapons squads—How each group is deployed during attack—Importance of an advance tactical plan (10 min—1953—Film Reference).

7–269 **Fighting in Built-Up Areas—Mutual Support and Methods of Advance**

Exhibiting the joint support of infantry and tank units in this

FB No.

type of fighting—Proper methods of advance for the infantryman (5 min—1953).

7–272 **Infantry Weapons and Their Effects—US Rifle Cal .30 M1 Browning Automatic Rifle**

Description, uses, and capabilities of the Browning automatic rifle (BAR) and the semiautomatic cal .30 M1 (8 min—1954—Color—Film Reference).

7–273 **Infantry Weapons and their Effects: US Pistol Cal .45, Submachine Gun, Cal .45, US Carbine, Cal .30**

Brief descriptions of characteristics and capabilities—Use in combat (8 min—1954—Color—Film Reference).

7–274 **Infantry Weapons and Their Effects—Hand and Rifle Grenades**

Grenades are among the most effective weapons for close in fighting—Hand grenades include M26 fragmentation, white phosphorous, and "offensive"—They are activated by hand and explode in 3 to 6 seconds—Rifle grenades are designed specifically for firing from a rifle and include: high explosive antitank grenade, pyrotechnic signal star cluster, parachute flares in four colors, and colored smoke streamers (9 min—1954—Color—Film Reference).

7–275 **Infantry Weapons and Their Effects—M1C Cal .30 Sniper's Rifle—Sniperscope, Infrared Set No. 1**

Mission of a sniper is to harrass the enemy—Illustrating several special pieces of equipment furnished to sniper to help perform mission (6 min—1954—Color—Film Reference).

7–276 **Infantry Weapons and Their Effects—3.5-inch Rocket Launcher**

Characteristics, capabilities, and application of the 3.5-inch rocket launcher (5 min—1955—Color—Film Reference).

7–277 **Infantry Weapons and Their Effects—Portable Flamethrower**

Location and characteristics of component parts—How to operate weapon—Characteristics and effects of thickened and unthickened fuel (3 min—1954—Color—Film Reference).

7–278 **Infantry Weapons and Their Effects—Machine Guns**

Characteristics, capabilities, and application of various machine guns used in infantry regiment—Cal .30 light MG, cal .30 heavy MG, and cal .50 MG described—Ball, tracer, armor piercing, and armor piercing incendiary ammunition discussed (5 min—1954—Color—Film Reference).

7–280 **Infantry Weapons and Their Effects—The Mortar Family**

Composition, characteristics, capabilities, and application of the 60-mm mortar, 81-mm mortar, and 4.2-inch mortar (14 min—1954—Film Reference).

7–281 **Infantry Weapons and Their Effects—57-mm Rifle, M18; 75-mm Rifle, M20; 105-mm Rifle M27**

Brief descriptions of characteristics, capabilities, and application of the 57-mm rifle, M18, 75-mm rifle, M20, and 105-mm rifle, M27 (7 min—1955—Color—Film Reference).

7–282 **Infantry Weapons and Their Effects—Tank Weapons**

Brief review of the medium M47 Tank with the 90-mm gun, cal .30 coaxial machine gun, cal .50 machine gun, and a cal .30 bow machine gun—Three types of ammunition fired by the 80-mm gun (5 min—1955—Film Reference).

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FB No.

7–283 **Ranger Training**
Illustrating the three phases of the eight-week intensive army ranger training course—Invaluable part of army combat teams formed by graduates of this course (28 min—1953—Film Reference).

7–285 **Rugged Rangers**
Highlights of the army ranger training course conducted at Fort Benning, Georgia, to test physical stamina and moral courage under combat condition—Volunteers from all arms and services undergo rigorous training for eight weeks in three phases: review of basic military skills, jungle training, and mountain terrain training (9 min—1953—Film Reference).

8–132 **Evacuation of the Wounded**
Steps in evacuating wounded—Five successive echelons of medical service from front line to general hospital in ZI (15 min—1944—Film Reference).

8–147 **Medical Service in the Jungle**
Difficulties of jungle medical service—Efficiency of combat medical troops—Swimming out with casualties to ships—Treating wounded—Assembling medical supplies—Water discipline—Danger of fungus infections—Immunization problems—Malaria control—Jungle fear at night—Operation of collecting stations and clearing stations under canvas or in captured Japanese dugouts (20 min—1944—Film Reference).

8–173 **The Evacuation Hospital**
Organization and function of evacuation hospital and third echelon medical service (13 min—1945—Film Reference).

8–176 **Blood Bank in Natousa**
Procuring, storing, and delivering blood for battle casualties—Assembling army donors—Methods of collecting blood (21 min—1945—Film Reference).

8–180 **Trench Foot**
Trench foot care—Gangrenous toe amputations—Prevention of trench foot (14 min—1945—Film Reference).

8–184 **Psychiatric Procedure in Combat Area**
Handling mild and moderately severe cases of combat fatigue in division and army areas (47 min—1945—Film Reference).

8–200 **Malaria control on Corsica**
Prevention of malaria by mosquito control—Destruction of breeding places—Killing with sprays—Screening—Individual protection (13 min—1945—Film Reference).

8–203 **General Hospital**
Organization and operation of general hospitals overseas (12 min—1945—Film Reference).

8–217 **Army Medical Laboratories (World War II)**
Laboratory units in theaters of operations, communications zones, and ZI—Function of each—Overall organization and set-up worldwide network of laboratories (38 min—1947).

8–222 **Veterinary Service with Army Animals—Part I: Introduction and Remount Service**
Typical operations of veterinary service in WW II—Procure-

FB No.

ment and health measures—Breaking in horses for use in Chinese army in its fight against Japan—Remount service in Assam, India —Shipment of horses, processing, and care, prior to disposition for army use (17 min—1948—Film Reference).

8–225 **Veterinary Service with Army Animals—Part III: Injuries and Diseases of Army Animals (World War II)**

Veterinary activities during WW II—Treatment of animal battle casualties—Causes of exhaustion and injuries—Animal diseases—Preventive measures and treatment—Research (30 min —1949).

8–228 **Veterinary Food Inspection Service—Part II: Theater of Operations**

Inspections of food from its arrival at oversea ports until its issue to front line organizations (15 min—1949—Film Reference).

9–117 **Torsion Bar Suspension**

Basic principles—Advantages over old type volute (coil) spring type suspension system (8 min—1944—Film Reference).

9–118 **Tank Transporter M25**

Description and use (20 min—1944).

9–125 **Light Cargo Carrier, M29C**

Operation and maintenance (16 min—1944).

9–128 **Save That Part**

Stock piles maintained by Ordnance to fill requirements of armies—Recovery of serviceable equipment for reconditioning and repairing (7 min—1944—Film Reference).

9–154 **Velocity Calibration of Artillery**

Two-unit ballistic and technical service team—Highly mobile units, trained and equipped by Ordnance to calibrate weapons of a battery or battalion (9 min—1944).

9–170 **Concrete Piercing Nose Fuze M78**

Demonstration and evaluation on penetrating ability of concrete piercing nose fuze M78—Projectiles fired against reinforced concrete slab 5 feet thick with a compressive strength over 5,000 pounds per square inch (16 min—1945).

9–174 **M27 Bomb Service Truck**

Structural details—Four-man crew demonstration (14 min— 1945).

9–179 **Spray-formed Plastic Casing**

Its use and importance to manufacturers—Detailed description (19 min—1945).

9–197 **VT Bomb and Rocket Fuzes**

Details concerning VT Bomb and rocket fuzes (25 min—1945— Film Reference).

9–204 **Beachhead Maintenance for LVT's**

Seagoing LVT maintenance units—Unloading repair shops mounted on skids and setting them up for operation on beachheads —Retriever LVT's (19 min—1945).

9–206 **The 4.5-inch Multiple Rocket Launcher, T66**

Function, handling, and use of rocket fire in the field—Advantages of new launcher—Use of new rockets—Crew duties— Tactical use of launcher (25 min—1945—Film Reference).

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FB No.

9–218 **Trends in Ordnance**

Development of new material (18 min—1947—Film Reference).

9–221 **Arctic Engine Oil**

Development and testing of new arctic engine oil at Fort Churchill, Canada—Lubrication schedule (7 min—1948—Film Reference).

9–230 **Trends in Ordnance: 1949**

Improved mobility of weapons from WW I to WW II—Ordnance museum at Aberdeen Proving Ground—Development of lighter, more easily portable artillery weapons—New vehicles—T51 cross-country cargo and personnel carrier—Medium tank M46 and light tank T37 (13 min—1949—Film Reference).

9–231 **Rocket Instrumentation**

Methods and instruments used to track and record speed, distance, and flight of rockets—Doppler effect as recorded in Dovap system—Tracking and recording rocket flight with radar, tracking telescopes, ballistic cameras, and allied electronic and optical instruments—Use of recorded information (15 min—1949).

9–238 **Aberdeen Proving Ground**

Developing efficient weapons for US military needs—Functions and operations of the Ballistics Research Laboratory, Development and Proof Services, The Ordnance Board, and Aberdeen Ordnance Depot—Basic field research of Armed Forces materiel conducted at aerodynamic range, supersonic wind tunnel and Munson automotive test course—Completion of materiel study with field tests (17 min—1951).

9–288 **Modern Ordnance Materiel—Wheeled Vehicles**

Army Ordnance Corps has the responsibility of supplying and maintaining wheeled vehicles which implement the transportation of men and equipment—Ordnance Corps research has resulted in production of many new and improved versatile vehicles (12 min—1954—Film Reference).

9–289 **Modern Ordnance Materiel—Tracked Vehicles**

Application and characteristics of latest developments in tracked vehicles, particularly these basic types: light, medium, and heavy tanks (17 min—1954—Film Reference).

9–290 **Modern Ordnance Materiel—The M76 Amphibious Cargo Carrier**

Construction, characteristics, capabilities, and operation of this Army vehicle which, like an otter, is at home on water and on land, thus providing motorized transportation regardless of terrain or climatic conditions (8 min—1954—Film Reference).

10–127 **Supply Problems in the Southwest Pacific**

Hazards of handling and storing supplies—Corrective action—Effect of climatic, storage, and handling conditions on substandard packing—Overseas packing—Preventing corrosion of subsistance items (40 min—1944).

10–224 **Consolidated Loose Issue and Packing Room**

Quartermaster warehousing operations—Storage and supply of loose issue items—Filling requisition at supply depot warehouse—Warehouse layout and arrangement of shelves—Conveyor belt sys-

FB No.

tem—Packing, crating, and shipping (22 min—1949—Film Reference).

10–233 **Nutriculture—Vegetable Growing**
Growing food corps by artificial chemical feeding—Techniques of vegetable growing—Equipment—Mixing chemical ingredients—Constructing storage tanks—Irrigation—Sowing—Pollination—Harvesting and Packing (10 min—1949—Film Reference).

10–241 **US Quartermaster Aerial Supply Operations**
Quartermaster aerial supply in action—Delivery of heavy supplies, including 105-mm howitzers and ¾-ton trucks—Aerial supply company operations—Rigging and packing of materiel—Transportation of supplies to temporary air storage depot, thence to airbase for loading into C–119 planes—Briefing of Quartermaster paratroopers on drop zone—Weight of supplies and speed of delivery—Bailing out—Time element—Recovery of paraphernalia (18 min—1952—Film Reference).

10–245 **Rigging 105-mm Howitzer for Heavy Drop**
Correct rigging as the key to effective aerial delivery—Proper techniques for rigging 105-mm howitzer—Specially trained riggers—Drop of 105-mm howitzer from C–82 plane—Derigging and preparing equipment for action after drop (26 min—1952).

10–254 **Cold Weather Uniforms**
Showing dangers of frostbite and trenchfoot—Explanation of layer principle for cold weather clothing—Clothing to be worn in wet cold weather—Clothing to be worn in dry cold weather—Characteristics of undergarments, overgarments, footgear, and gloves—Proper number of layers of clothing as related to cold weather conditions and amount of activity (25 min—1953—Film Reference).

10–255 **Nylon Body Armor Test in Korea**
Showing tests made by 20,000 soldiers of nylon body armor in various types of units and under varying conditions for 140 days in Korea—Discussion of five objectives of test—Enthusiastic demand for vests by combat troops after test (14 min—1953).

10–257 **Rigging the ½-ton Truck for Aerial Delivery**
Rigging techniques and procedures—Explanations and illustrations in step-by-step manner (32 min—1953—Film Reference).

10–258 **Rigging the ¾-ton Cargo Truck for Aerial Delivery**
Illustrating in six steps the techniques and procedures for rigging the ¾-ton cargo truck for aerial delivery (33 min—1953).

10–259 **Rigging the 6,000-pound Load-Bearing Platform for Aerial Delivery**
Demonstrating in part I the techniques used in rigging typical mass loads—Showing in part II the procedures used in rigging the ¼-ton and ¾-ton trailers with accompanying loads (36 min—1953—Film Reference).

11–69 **Newfoundland Communications**
Signal Corps lays long-line cable with laterals to all military installations on Newfoundland (21 min—1943—Color—Film Reference).

FB No.

11–104 **The Correct Use of the Official Telephone in the US Army Administration**
Correct procedures—Mistakes and confusion which result from incorrect telephone usage (19 min—1944—Film Reference).

11–142 **Moistureproofing and Fungiproofing Signal Corps Equipment**
Damage caused to vital communications by moisture and fungi—Prevention—Six-man team of radio and wire men at work (17 min—1944—Film Reference).

11–188 **Waterproofing Signal Corps Equipment**
Procedures and techniques necessary to protect equipment from effects of immersion in water (29 min—1945—Film Reference).

11–234 **Improved Field Wire Laying With Wire Dispensers**
Wire Dispenser MX–360/AG—Weight—Size and shape—Package containing ½ mile plastic-coated assault wire—Application in forward areas (13 min—1950—Film Reference).

12–30 **Mobile Machine Records Unit**
Importance of AGO Form 201—Records complete history of each soldier (10 min—1942—Film Reference).

17–86 **Submachine Gun, cal .45, M3**
Submachine gun M3—Uses—Mechanical features—Disassembly—Servicing and cleaning in the field—Checks while using gun—Safety lock—Mechanical functioning (8 min—1943—Film Reference).

19–152 **Combat Firing With Hand Guns**
Correct grips—Three basic firing positions—Firing quickly and instinctively (17 min—1944—Film Reference).

19–157 **Allied Military Government in Italy**
Purpose of AMG in occupied countries—Situation in Italy when American forces invaded—Destruction of cities and villages—Disruption of economic and social life—Reconstruction and rehabilitation by AMG and Italian officials (18 min—1944—Film Reference).

19–167 **Traffic Control in the Normandy Invasion**
Work of military police—Keeping roads clear for steady flow of military vehicles to front line—Traffic problems in assembling troops and supplies in England, and landing troops and supplies in France—Subsequent movement from beachhead (13 min—1945—Film Reference).

19–193 **Evacuation of Civilians**
Combat footage taken in ETO—Keeping civilians from roads in combat areas so traffic lanes can be kept open for troop and supply movements (15 min—1945—Film Reference).

19–202 **Traffic Control in the CBI**
Military police keep supply routes open for military traffic from ports in India to Burma Road—Obstacles in narrow Calcutta streets—Traffic control stations—Radio-equipped jeeps direct and route traffic—Building Stilwell Road through jungle from Ledo to Burma Road (19 min—1945—Film Reference).

19–212 **The Baseball Grenade (CN Riot Grenade M25)**
Use and operation—Shape—Throwing or rolling grenade—Operating parts—Advantages of M25 over M7—Decontamination (6 min—1942).

FB No.

19–239 **Oriental Prisoners of War**
Handling of prisoners of war by UN forces in Korea in accordance with provisions of Geneva Convention (23 min—1951—Film Reference).

19–246 **Hasty Sign Making**
How the military police personnel make temporary signs in the field when permanent signs are not available—Demonstrating the uses of sign reproduction kit No. 1, silk screen process (19 min—1952—Film Reference).

19–256 **MP Highway Patrol in Germany**
Demonstrating the control that military police have over traffic on the Autobahn in Germany—Duties of military police highway patrols include traffic patrols, services, and assistance to military and civilian population, law enforcement, and first aid (10 min—1953—Film Reference).

19–287 **The Military Police Story**
Military Police Corps trainees receive intensive training in basic infantry skills and expert instruction in military policing techniques at Camp Gordon, Georgia—Variety of MP duties and responsibilities—Military police serve in all parts of the world (33 min—1954—Film Reference).

20–16 **Invasion of Crete by the German Army**
German film shows preparations for invasion of Crete by air—First part of attack June 1941—Strafing and precision bombing—Men and equipment dropped by parachute—Capture of coastal roads and airports (11 min—1942—Film Reference).

20–37 **Highway to Alaska**
Vital artery for flow of military supplies to Alaska (9 min—1942—Film Reference).

20–39 **Scrap for Victory**
Salvage of old weapons to help meet iron shortage (11 min—1942—Film Reference).

20–56 **Western Battle Front, May–June 1940**
Victorious Nazi drive through Holland and Belgium into France (40 min—1943—Film Reference).

20–66 **The Battle of Buna**
The campaign at Buna (9 min—1943—Film Reference).

20–78 **Avalanche**
Snow avalanches in mountain operations—Types—"Wind slab" and "flow snow"—Procedure for soldier separated from main party (10 min—1943—Film Reference).

20–213 **Reduction of Japanese Cave-type Fortifications**
Japanese retreat into caves—Methods of combatting this defense—Cave entrances located by aerial reconnaissance—Defoliation of hills by use of napalm—Neutralization of enemy positions by air forces and field artillery—Destruction by assault teams (34 min—1945).

20–220 **Construction of Arctic Igloo**
Construction of snowhouse—Three-man igloo constructed in 3 hours—Advantages of igloo over tent—Natural camouflage (10 min—1948).

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FB No.

20–232 **Summer Movements in the Arctic**

Terrain features of arctic and subarctic regions—Difficulties moving men and supplies—Problems of movement, camping, a survival in arctic—Advantages and disadvantages of vario vehicles—The weasel—Other types of transportation by water a air (15 min—1950—Film Reference).

20–249 **Reducing Enemy Log Bunkers in Korea**

Design, construction, and use of log bunkers, enemy camouflag fortifications—Proper assault techniques and tactics to redu enemy bunkers—Plan of attack detailed, air and ground reco naissance, equipment, weapons, fighting units, and strategy e ployed (21 min—1952—Film Reference).

44–253 **Weapons of the Artillery**

Brief descriptions of characteristics of towed and self-propell weapons which concern the artilleryman—Non artillery pieces co sidered are the 3.5 rocket launcher and the twin 40 motor carria M19—Artillery pieces discussed and illustrated are the 75-m pack howitzer, the 105-mm howitzer, the 155-mm howitzer, the 1 mm gun, the 8-inch howitzer, and the 240-mm howitzer (26 min 1953—Color).

46–260 **Army Aviation—Part I—Introduction**

General characteristics and typical present uses of fixed-wi and rotary-wing light planes used by the army—Potential us pegged to ingenuity of tactical commanders and staffs (17 min 1953—Film Reference).

46–261 **Army Aviation—Part II—Selection and Occupation of Sm Unit Airstrips**

The mission of army aviation is to expedite tactical and logisti operation of Army Field Forces—How the army aviation secti of a combat unit selects and occupies a small unit airstrip witho interrupting combat operations (12 min—1953—Film Referenc

55–236 **Cycloidal and Hydraulic Jet Propulsion**

Principles and use of cycloidal propelled and hydraulic propell vessels—Cycloidal propelled vessel contrasted with convention single-screw type craft—Rapid turning feature of boats propell by these means (11 min—1950).

55–248 **Outloading of Diesel Locomotives**

Problems and proper techniques in loading diesel locomoti aboard a cargo ship—Correct rigging, lifting alining, lowering i wooden cradles, lashing, bracing, and waterproofing the 120-t locomotive—Teamwork and stevedoring knowledge essential smooth and efficient operations (13 min—1952—Film Referenc

55–270 **Steam Locomotive Firing**

Illustrating the six-step procedure for dropping old fire and firing up a steam locomotive—Emphasizing the need for an e fire to insure efficient and economical operation (12 min—1953)

55–271 **The Locomotive Air Brake System**

Showing the identification, location, and function of each co ponent part of the locomotive air brake with emphasis on syst maintenance and repair (14 min—1953).

FB No.

55–286 **Icecap—I**
Report of the Army Transportation Corps expedition across the icecap of Greenland in the spring and summer of 1952 to establish a route and a method of moving troops and heavy equipment to northern strategic bases (30 min—1954—Film Reference).

48. Graphic Films

Graphic Films (GF) are produced by an economical motion picture production technique using animated drawings or photographs with accompanying narration. They are issued under GF release numbers except when the initiating agency requests their release in a different series.

GF No.

8–1 **Medical Service in the Infantry Division—Part I—The Medical Company, Infantry Regiment**
Outlining the organization, responsibilities, and duties of this organic element of the regiment (17 min—1953—Film Reference).

8–2 **Medical Service of the Infantry Division—Part II—The Medical Battalion**
Every combat organization the size of a battalion or larger has its own medical unit—The medical battalion consists of three companies: headquarters and headquarters company (including dental service) that handle all battalion administration; ambulance company that evacuates casualties from regimental collecting stations to division clearing station; clearing company that administrates medical treatment (18 min—1953).

8–3 **Embryology of the Liver, Gallbladder, and Pancreas**
A simple visualization of the embryology of the liver, gallbladder, and pancreas with particular reference to the most common surgical anomalies and variation of these organs (18 min—1952—Color Film Reference).

8–6 **Viral Hepatitis**
Viral hepatitis is a generalized infection involving the entire body and its various systems—the disease produces its significant effects by damaging the liver—Using filmagraph techniques, the film shows: epidemiology of viral hepatitis, clinical story of physical findings, full history of physical examination, laboratory confirmation of diagnosis, correct treatment, causes of acute relapse, differential diagnoses, transmission of viral hepatitis, pathology, and special reference to chronic hepatitis (21 min—1953).

10–18 **Operation Streamline—Stock Accounting**
Showing the new stock accounting system used by Quartermaster Corps and other technical services—Provides for speed, efficiency, and mass production at a saving in time, effort, and cost (15 min—1952—Color—Film Reference).

10–21 **How to Use Cold Weather Clothing**
How to avoid injuries caused by cold dry and cold wet conditions—Special cold weather attire, when properly used, provides a portable climate-stabilizer—Explanation of physiological aspect of building, maintaining, and giving off body heat—Seven key points stressed (14 min—1952—Color—Film Reference).

NUMERICAL INDEX

GF No.

10–22 **Operation of Quartermaster Corps in CONUS**
Mission, responsibilities, and activities of the Quartermaster Corps in continental US (11 min—1953—Color—Film Reference).

10–23 **QM Nondivisional Units**
Organization and activities of 19 flexible nondivisional units under the central control of headquarters and headquarters detachment quartermaster battalion—Expeditious supply of food, clothing, fuel, and other services to troops (19 min—1953—Color—Film Reference).

20–7 **Smooth Operation**
Smooth driving prevents accidents (15 min—1952—Commercial Adaptation).

20–8 **Safety Record**
A series of accidents culminated in the death of an employee—Thereafter an outstanding safety record is established in the plant (12 min —1952—Commercial Adaptation).

20–9 **Two Steps to Safety**
For safety in any job, know your job and know yourself (13 min—1952—Commercial Adaptation).

20–10 **Let Habit Help**
The importance of making safe habits a part of job performance (12 min—1952—Commercial Adaptation).

20–11 **Get a Grip on Yourself**
Importance of emotional stability to safety on the job (15 min—1952—Commercial Adaptation).

20–12 **Decide To Be Safe**
Importance of personal interest in safety programs—Normal safety precautions (12 min—1952—Commercial Adaptation).

20–13 **Caution at the Cross Roads**
Danger at intersections is increased by careless driving (11 min—1952—Commercial Adaptation).

20–14 **Danger in Reverse**
Driving in reverse gear involves extra hazards (8 min—1952—Commercial Adaptation).

20–15 **Too Close for Comfort**
Minimum safe distances recommended between vehicles (8 min—1952—Commercial Adaptation).

20–16 **Too Fast for Conditions**
Safe driving controlled by road conditions rather than speed regulations (9 min—1952—Commercial Adaptation).

20–17 **Wrong Side Suicide**
Respect for the white line in the center of the road (11 min—1952—Commercial Adaptation).

20–19 **Looking for Trouble**
Maintenance measures prevent accidents (11 min—1952—Commercial Adaptation).

20–20 **What Happened**
Avoiding complications after an accident (8 min—1952—Commercial Adaptation).

GF No.

33–27 **Introduction to Psychological Warfare**
Methods and techniques employed in psychological warfare support in military operations—Tactical, Strategic and Consolidation (16 min —1956—Color—Film Reference).

61–26 **To Provide for the Common Defense**
History, organization, traditions, and customs of the Army—Characterized by a civilian—military pattern—Explanation of administrative staff and its combat organizations—Need and symbols for rank in commissioned and noncommissioned levels—Emphasis on the civilian role in this great organization (17 min—1954—Color).

49. Historical Reports

Historical reports (HR) of WW II arranged chronologically according to theater of operations.

HR No.

A–1 **The Gilbert Islands**
The Gilbert campaign—Strategic importance of the islands—Success of the campaign, and how it brought us one step closer to Tokyo (11 min—1949—Limited distribution).

A–5 **Bougainville**
Landing operation and subsequent capture of Bougainville in 1943 by American Forces of the 37th Division, 14th Corps, and 3d Marine Division (9 min—1948).

A–8 **The Admiralty Islands**
Landing in February 1944—Subsequent capture of Admiralty Islands north of New Guinea by 1st Cavalry Division (16 min—1949).

A–10 **The Marianas—Part I: Saipan**
Invasion of Saipan in Marianas group in June 1944 by 2d and 4th Marine Divisions and 27th Army Division—Aerial and naval bombardment—Assault on beaches and fierce battle for control of strategic island—Battle of 5th US Fleet *vs* Japanese Fleet—Aftermath of banzai charge—Japanese suicide stands—Successful conquest of island for use primarily as bomber base (22 min—1949).

A–10A **The Marianas—Part II: Guam**
Landing and recapture of Guam Island in the Marianas in 1944—Operation a joint Army-Navy-Marine victory (13 min—1949).

A–11 **The Battle of Leyte**
Battle of Leyte Island—Gen MacArthur's return to the Philippines —initial phases of invasion by US 10th and 24th Corps of 6th Army in October 1944—Japanese Navy and supporting air arm in suicidal attempt to destroy US 3d and 7th Fleets—American ground forces advance despite landing of Japanese reinforcements from nearby islands—Japanese resistance in Ormoc sector overcome and island secured by Christmas 1944 (26 min—1951).

B–15 **D-day Convoy**
Activities just prior to and including D-day—Movements of American troops from all parts to assembly areas at the various ports of embarkation, prior to the Normandy invasion (19 min—1948).

HR No.

B–29 **American Ninth Army—Aachen to the Roer River**
Activities of the 9th Army from Aachen to the Roer River (31 mi —1948).

B–30 **American First Army—Aachen to the Roer River**
Advance from Aachen to the Roer River by the 1st Army—Outfi that took part: 1st Division, 9th Division, 28th Division, 83d Divisio 104th Division, and 3d Armored Division (29 min—1948).

C–1 **Campaign in Sicily**
The 15th Army Group, consisting of the American 7th Army ar the British 8th Army, and its invasion of Sicily (20 min—1948).

C–2 **Sicily to Naples**
American and British forces, consisting of the American 6th Corp (of the 5th Army) and the British 10th Corps, set sail for the invasio of Italy—Captured German footage is included to show action c both sides (13 min—1948—Withdrawn from all types of public exh bition).

C–3 **Naples to Cassino**
The drive from Naples to Cassino—Battle of San Pietro and th subsequent storming of Cassino (26 min—1948).

C–8 **Invasion of Southern France**
Invasion of southern France by the 7th Army and subseque junction with the American 3d Army in northwest part of Fran (22 min—1950).

E–7 **Military Pipeline System (CBI Theater)**
Achievements of American troops who built a desperately neede pipeline under extremely hazardous conditions and difficult terrai (23 min—1948).

50. Miscellaneous Films

Miscellaneous films (MF or Misc) are films which do not cor form completely to Department of the Army doctrine. A chang has been made in the designation of these films from "MISC" t "MF" plus the appropriate numerical prefix.

MF No.

912 **Sky Blitz**
Captured German film of Nazi paratroopers taking Dutc bridge at Moeredijk (25 min—1944—Film Reference).

918 **This is The Infantry**
Foot soldier in training and in combat (10 min—1944—Fil Reference).

945 **We Serve**
Problems of the British Auxiliary Territorial Service office and her responsibilities (30 min—1944—Film Reference—Fro British Film BC 285).

1002 **Desert Victory**
History of the African campaign, WW II, British version- Rommel's forces driven across North Africa by British 8t Army (63 min—1944—Film Reference—BC 7525).

MF No.	
1086	**Radar Jamming** Types of interference patterns—Jamming originating from ships at sea, land-based stations, or aircraft—Distinguishing jamming from regular patterns—Countermeasures (31 min—1944).
[C] 1151	**Sonic Deception (U)** (29 min—1945—Limited distribution—Further distribution must be authorized by OCSigO).
1226	**Welcome Home** Returning soldiers are welcomed home to civilian life (20 min —1954).
[C] 1330	**The German A–4 Rocket, Operation Backfire (U)** (40 min—1948).
1426	**The 82d Airborne Division (Pride of Outfit Film)** History of 82d Airborne Division from WW I to and including WW II—Division in combat—Sicily, Salerno, Anzio, Normandy, Holland, and the Battle of the Bulge (21 min—1948).
7501	**Machine Shop Work—Bench Work—Scraping Flat Surfaces** Operations, methods, and procedures employed in hand scraping flat surfaces—Five common forms of hand scrapers (14 min —1954—From Office of Education Film No. 35).
[C] 7556	**NIKE (U)** (58 min—1949—Limited distribution—Further distribution must be authorized by USCONARC—Printing discontinued on this subject. Replaced by Misc. 8175).
7596	**Nuremburg** War crime trials conducted by Allies at Nuremberg—Flash backs to various crimes against humanity committed by German High Command during WW II (76 min—1949—Can be used only in its entirety).
[C] 7732	**Amphibious Warfare Instruction—Organization and Concept (U)** (24 min—1950).
[C] 7733	**Amphibious Warfare Instruction—Planning and Intelligence (U)** (24 min—1950).
[C] 7734	**Amphibious Warfare Instruction—Training and Movement to the Objective (U)** (16 min—1950).
[C] 7735	**Amphibious Warfare Instruction—Mine Warfare and Underwater Demolition Team Operation (U)** (15 min—1950).
[C] 7736	**Amphibious Warfare Instruction—Naval Gunfire Support —Part I (U)** (26 min—1950).
[C] 7737	**Amphibious Warfare Instruction—Naval Gunfire Support —Part II (U)** (24 min—1950).

MF No.	
[C] 7738	**Amphibious Warfare Instruction—Air Operations (U)** (24 min—1950).
[C] 7739	**Amphibious Warfare Instruction—Ship to Shore Movement (U)** (22 min—1950).
[C] 7740	**Amphibious Warfare Instruction—Communications (U)** (14 min—1950).
[C] 7741	**Amphibious Warfare Instruction—Logistics (U)** (23 min—1950).
[S] 7867	**Hour Glass (U)** (16 min—1951—Limited distribution—Further distribution must be authorized by CCMLO).
[S] 7899	**Operation Carpetbagger (U)** (16 min—1951—Limited distribution—Further distribution must be authorized by OCSigO).
[S] 7904	**Purple (U)** (16 min—1952—Color—Limited distribution—Further distribution must be authorized by CCMLO).
[C] 7905	**GB (U)** (13 min—1952—Limited distribution—Further distribution must be authorized by CCMLO).
[S] 7906	**Silver—Part I (U)** (1951—Limited distribution—Further distribution must be authorized by CCMLO).
[S] 7907	**Silver—Part II (U)** (1951—Limited distribution—Further distribution must be authorized by CCMLO).
[C] 7908	**Body Armor (U)** (8 min—1951—Limited distribution—Further distribution must be authorized by OSG).
[C] 8062	**NIKE System Field Test (U)** (7 min—1952—Color—Limited distribution—Printing discontinued on this subject. Replaced by Misc. 8175).
[S-RD] 8116	**Stockpile to Target (U)** (24 min—1952—Limited distribution to Service Schools in CONUS).
[S-RD] 8125	**A-Bomb at Sea (U)** (19 min—1952—Color—Limited distribution—Further distribution must be authorized by USCONARC).
[S] 8126	**Baker Day Hi-Speed Story (U)** (24 min—1952—Limited distribution—Further distribution must be authorized by USCONARC).
[S] 8127	**Able Day Hi-Speed Story (U)** (19 min—1952—Limited distribution—Further distribution must be authorized by USCONARC).
[C] 8139	**Corporal (U)** 15 min—1952—Color—Distribution limited to Army Service Schools training in Atomic Warfare and CFL's in CONUS).

MF No.	
[C] 8140	**Project Honest John Field Test First Phase (U)** (11 min—1952—Color—Distribution limited to Army Service Schools training in Atomic Warfare and CFL's in CONUS).
[S-RD] 8169	**Military Participation on Tumbler/Snapper (U)** (47 min—1953—Color—Limited distribution—For use in courses of instruction on atomic weapons given at general and branch service schools concerned; one print each to CFL's in CONUS).
[C] 8175	**NIKE System Test (U)** (13 min—1953—Color—Distribution limited to CFL's in CONUS and certain artillery and Guided Missiles organizations specified by higher authority).
3-7850	**Fire Land Mine** Fire land mine developed as field expedient by Chemical Corps—Splattering of burning napalm over wide area upon explosion—Used to prevent night infiltration—Terrifying effect on enemy—Compounding methods (12 min—1951).
5-959	**Alaska Highway** Construction of 1,500 miles of Alaskan Highway—From felling the first tree to final completion of highway (36 min—1944—Color).
5-1229	**Grass and Brush Fire Fighting** Citizens of range country communities organize as fire fighters—Effective methods of fire fighting with common tools (29 min 1945—Color—From Dept of Agriculture).
5-1235	**The Atom Strikes** First experiments blast set off in New Mexico—Aerial views of the bombing of Hiroshima and Nagasaki—Close-ups of devastation in the two Japanese cities (31 min—1946).
5-1322	**Chemistry of Fire** Fuel, oxygen, and ignition temperature necessary to produce fire—Difference between flash point and ignition point of fuels—Two ways of extinguishing a fire (44 min—1947—Navy Film MN 61-A).
5-1341	**Task Force Frost** Suitability and performance of equipment under climatic conditions—Average low temperature of 0° F and average high temperature near freezing—New types of equipment required for effective functioning of ground force troops (25 min—1948).
5-1344	**Task Force Williwaw** Cold weather tests of personnel and equipment in Aleutian climate (41 min—1947).
5-7646	**Adding or Removing Refrigerant** Checking domestic refrigeration system for lack of refrigerant—Adding refrigerant by weight—Adding an unmeasured amount of refrigerant—Removing refrigerant (17 min—1950—From US Office of Education Film No. 441).
5-7647	**Removing and Installing a Compressor or Condenser** Disconnecting and removing compressor in home refrigerator

MF No.

Disconnecting struck compressor—Removing and installin condenser (17 min—1950—From US Office of Education Film No. 442).

5–7649 **Adjusting and Checking the Expansion Valve**

Design and operation of bellows type automatic expansio valve—Adjusting, checking, and servicing bellows type valv (22 min—1950—From US Office of Education Film No. 444)

5–7651 **Checking the Electrical System**

Checking and servicing overheated motor in domestic refrigerator—Checking stalled capacitor or repulsion and inductio motor—Motor control disorders—Range and differential adjustments (18 min—1950—From US Office of Education Film No 446).

5–7653 **Adjusting and Repairing the Thermo Expansion Valve**

Theory of multiple refrigeration system—Testing and adjusting thermo expansion valve—Recognizing trouble—Servicin (12 min—1950—From US Office of Education on Film No. 448)

5–7654 **Adjusting Pressure-actuated Temperature Control Device**

Purpose of pressure-actuated temperature control devices—Adjusting pressure-actuated motor control (16 min—1950—From US Office of Education Film No. 449).

5–7656 **Servicing Water Cooled Condensers**

Theory of counterflow condenser—Essential elements o water-cooled system—Operation of electric water valve (12 mi 1950—From US Office of Education Film No. 451).

5–7657 **Making and Repairing Tubing Connections**

Straightening copper tubing—Working, cutting, and dressin copper tubing—"Sweating in" connector to cover a break (1 min—1950—From US Office of Education Film No. 452).

5–7709 **Hose Line Evolutions and Hose Line Equipment**

Two parts—"Hose Line Equipment" and "Methods of Handling the Hose"—Hoses, couplings, adapters, nozzles, and accessories (30 min—1950—Distribution limited to ZI—Commercial Adaptation).

5–8009 **Model 44–C Ditcher (Barber-Greene)**

Operation, variety of uses, and transporting of machine—Ditcher is capable of traveling forward or backward and o digging trenches 18 to 24 inches wide and as deep as 8 feet—Performs efficiently and quickly in hard coral or soft soil (1 min—1952—Color—Distribution limited to ZI—Commercia Adaptation).

5–8221 **Keep Em Running With Standardization**

A report on engines and engine parts, the people who maintain them, design them, and use them—Labor, management, an military aspects of standardization program—Advantages o standardization and interchangeability of parts (13 min—195 —Color—Commercial Adaptation).

5–8279 **Engineer Mission**

Accomplishments in peace and war of the Corps of Engineer

MF No.

from the Revolutionary period to the post-Korean conflict (26 min—1954).

5–8559 **Engineer Tasks in the Withdrawal—Part I—Principles**

Keeping open withdrawal routes—Impeding the enemy with obstacles and by demolition—Scorching the earth—Assisting other arms in preparing defense positions (25 min—1955—Distribution to central film and equipment exchanges in CONUS and overseas—From British Army film BC 1086).

5–8567 **Before They Happen (Fire Prevention)**

Dramatizes the services of fire prevention inspectors (14 min—1955—Distribution to central film libraries and exchanges in CONUS and overseas—Commercial Adaptation).

5–8658 **Care and Maintenance of Fire Hose**

Types and features of hose—Mechanical and chemical injuries How to clean, inspect, and store—How to load on fire trucks—Care during and after fires (21 min—1956—Distibution to Central Film and Equipment Exchanges in CONUS and OS).

6–7900 **Fire—Artillery Action in Korea**

Tanks supported by dirt ramps substituted for artillery in early stages of Korean conflict—Artillery later stemmed advance of communist enemy—US infantry troops supported by 105-mm howitzer—Information relayed from reconnaissance aircraft and observation posts to fire direction center—Fire missions established and relayed to artillery batteries—Artillery supports infantry in defense and attack (14 min—1952).

7–1297 **Sixth Infantry Division (Pride of Outfit Film)**

Sixth Infantry Division in operations at Maffin Bay—Bloodiest 10 days in the New Guinea Campaign (20 min—1948).

7–7898 **Men Against Tanks**

Adaptation of German army training film made during WW II—Methods by which infantrymen destroyed Russian T–34 tanks—Well trained infantry formidable opponent against armor (15 min—1952).

7–8278 **Infantry Operations in Mountains**

Nature of mountain terrain and special problems of offensive and defensive operations—Factors include character of mountain weather physiological and psychological adjustment of troops to altitude, and difficulties in communication and command—Mobility of weapons affected—Air and artillery assistance and medical support expedite operations (38 min—1954—Film Reference).

7–8318 **Machine Gun Clinometer M1917**

Characteristics and application of machine gun clinometer M1917 (7 min—1955—Film Reference).

7–8319 **Position and Grip, Machine Gun M1919A6 on M2 Tripod**

Cal .20 light machine gun M1919A6 on M2 tripod is used to demonstrate the correct position and grip required to fire the weapon safely and effectively (3 min—1955—Film Reference).

7–8320 **Headspace Adjustment Machine Gun, Cal .30**

Showing how to place the correct headspace adjustment on

MF No.	
	the Browning machine gun, cal .30 (4 min—1955—Film Reference).
8–1044	**Air Operation, Lae and Salamaua** Ground and air operations in Lae, Salamaua section, New Guinea—Evacuation of wounded—Americans relieving Aussies—Difficult terrain—Concentrated air power—Planning for and attack with B-26's (32 min—1944—Requires special authorization for distribution—From Air Force Film AFC 410).
8–1046	**Silent Battle** Malaria—A study of the disease and its carrier, the mosquito—Habits of mosquito—Control (45 min—1944—Film Reference—From Australian Film AC 3).
8–1081	**Rehabilitation in the European Theater of Operations** Reconditioning of patients in the ETO—Complete program of rehabilitation from time patient enters hospital until he is able to join his old fighting unit (29 min—1944—Film Reference).
8–1129	**Diary of a Sergeant** Sgt Russell, who lost both hands in the service of the US on D-day, rehabilitated in army hospital—Progress and spirit representative of medical advances made in such cases (23 min—1945—Film Reference).
8–1132	**Behind the Shop Drawing** Importance of drawings for industrial production—Isometric orthographic projection, perspective and cross-sectional drawings—Indicating dimensions and specifications (16 min—1945—Distribution to CONUS only—From Navy Film MN 37).
8–1155	**Dynamite** Dynamiting ditches to control malaria—Topographical conditions where dynamite is used to advantage over other methods (10 min—1945—From Public Health Service CDC 4–029–1).
8–1173	**The Army Nurse** Duties in field and evacuation hospitals, on airplanes, and aboard ships (15 min—1945).
8–1230	**Schistosomiasis (Snail Fever)** Cause and preventive measures of this tropical disease (10 min—1945).
8–1248	**Plague Control** Problems created by plague—Types, carriers, and characteristics of the disease—Control and preventive measures—Programs for rodent and flea control—Preventive measures among troops and civilian population (22 min—1946—Color—Film Reference—From Navy Film MN 4049).
8–1249	**The Sky is the Limit** Rehabilitation phases of above-the-knee amputee—Walking technique for individuals with two normal lower extremities and for a unilateral AK amputee—Potential capabilities of patien (12 min—1946—Color—Film Reference—Commercial Adaptation).
8–1254	**Half a Chance** Orthopedic rehabilitation—Successful rehabilitation of L

MF No.

Bert R Shepard, USAF—Assisting amputees in personal psychological adjustments (11 min—1946—Film Reference).

8–1343 **Principles of Refrigeration**

Physics of heat transfer—Refrigeration as method of heat transfer—Compressor and absorption system (20 min—1947—From Office of Education Film No. 360).

8–1383 **Quality Milk Production**

Production of quality milk—Feeding and sanitation—Cleanliness (33 min—1947—Film Reference—Distribution limited to ZI—Commercial Adaptation).

8–7897 **The Medical Effects of Nuclear Radiation**

Defense against atomic weapons—Analogy of effects of sun bathing on the body to demonstrate effects of nuclear radiation —Nature and potency of gamma, alpha, and beta particles—Physical symptoms following bodily exposure—Medical destructiveness of atomic blasts—Atomic bomb's total destructiveness—Limits of atomic bursts (21 min—1952—Color—Film Reference).

8–7923 **That Men May Fight**

Important role of the scientist in conserving fighting strength —Research in army laboratories improves the soldier's nutrition, health, clothing, and weapons—Research findings ultimately benefit civilians as well (14 min—1952).

8–7996 **Artificial Respiration—The Back-Pressure Arm-Lift Method**

Techniques employed in administering artificial respiration by means of the back-pressure arm-lift method—Importance of starting speedily and maintaining steady rhythmic continuous action—Three alternate methods of artificial respiration (17 min—1953—Film Reference—From Navy Film MF 7484).

8–8149 **Fire and Your Hospital**

Fire safety problems in hospitals—Fire hazards—Basic precautions to prevent disaster—Need for fire safety programs—Developing an efficient plan—How each department reacts to a fire alarm—Saving patients—Reducing spread of fire (23 min—1953—Film Reference—Distribution limited to CONUS—Commercial Adaptation).

8–8212 **Aeromedical Evacuation**

Military air transport service has the responsibility of returning wounded military personnel from oveseas to hospitals in CONUS—Description of each phase of aeromedical evacuation operations—Inbound and outbound movements (38 min—1954—From Air Force Film TF 1–4833).

8–8226 **Individual Purification of Water—Part I**

Dangers of disease-carrying germs found in untreated water (3 min—1954).

8–8227 **Individual Purification of Water—Part II**

Dangers of drinking water from any source that has not been purified (3 min—1954).

MF No.	
8–8228	**Individual Purification of Water—Part III** Purifying drinking water with water purification tablets (3 min—1954).
8–8229	**Insect Repellent—I** Proper clothing and use of insect repellent to ward off disease-carrying mosquito (4 min—1955).
8–8230	**Insect Repellent—II** Importance of proper clothing and use of insect repellent to ward off scrub-typhus fever (4 min—1955).
8–8231	**Insect Repellent—III** Use of insect repellent to prevent contracting sleeping sickness, a mosquito-borne disease (4 min—1954).
8–8232	**Native Food Hazards—Part I** Dangers of eating native (foreign) foods (3 min—1954).
8–8233	**Native Food Hazards—Part II** Typical foods illustrate the presence of disease-carrying bugs in native (foreign) foods (3 min—1954).
8–8234	**Native Food Hazards—Part III** Dangers of eating native (foreign) foods (3 min—1954).
8–8235	**Frostbite—I** Dangers of frostbite—Necessary precautions to safeguard health of feet and ward off frostbite during cold weather operations (5 min—1955).
8–8236	**Frostbite—II** Responsibility of soldier during cold weather operations to prevent cold injury to ears, nose, and fingers (5 min—1955).
8–8237	**Mess Sanitation—Part I** Proper garbage disposal facilities prevent spread of dysentery germ (4 min—1954).
8–8238	**Mess Sanitation—Part II** Importance of cleanliness before and after eating (4 min—1954).
8–8239	**Mess Sanitation—Part III** Proper care of mess kits before and after chow will prevent dysentery (5 min—1954).
8–8240	**Bednetting—Part I** Dangers and control of mosquito-borne diseases to soldiers in the field (5 min—1954).
8–8241	**Bednetting—Part II** Proper use of bednetting and insect repellents to ward off disease-carrying mosquitoes (5 min—1954).
8–8564	**Nurses in the Army** Pictorial report of the great service performed by the Army nurse, both in war and peace—Hardships and dangers she faced during WW II and the Korean War (27 min—1955—Distribution primarily to central film libraries and exchanges).
8–8675	**Organized Mosquito Control** Control measures used for major breeding areas, in urban areas, and in individual homes—Stress on value in prevention

MF No.

of disease (15 min—1956—Color—Distribution to central film and equipment exchanges in CONUS and major oversea commands for Medical Service personnel—Comercial Adaptation).

9-1089 **The Diesel Engine**

Ignition by compression—Basic diesel engine types—Forms of air headers and fuel injectors—Diesel types used in submarines (29 min—1944—From Navy Film MN 42-A).

9-1090 **Construction of the Diesel Engines**

General structure of several types of diesel engines—Different frame types, cylinder parts, pistons, piston rings, connecting rods, crankshafts, bearings, camshafts, and rocker assemblies (17 min—1945—From Navy Film MN 43).

9-1091 **Diesel Engine Governors**

Operation of governors—Overspeed, overspeed trip, and regulating governors (14 min—1944—From Navy Film MN 44-A).

9-1157 **Inside of Arc Welding—Part I: Fundamentals**

Correct and incorrect methods of striking an arc—Quality of weld affected by length of arc—Angle of electrode—Combination of voltage and amperage—Speed of travel (11 min—1945—Color—Distribution limited to ZI—Commercial Adaptation).

9-1158 **Inside of Arc Welding—Part II: Flat Position**

Flat position electric welds—Effects of changing current, electrode angle, speed of making weld, and arc length (11 min—1945—Color—Distribution to ZI—Commercial Adaptation).

9-1159 **Inside of Arc Welding—Part III: Horizontal Position**

Horizontal position welds—Effects of changing current, setting, electrode angle, speed of making weld, and arc length (11 min—1945—Color—Distribution limited to ZI—Commercial Adaptation).

9-1160 **Inside of Arc Welding—Part IV: Alternating Current in Flat and Horizontal Positions**

Advantages of alternating current in reducing arc blow—Making flat and groove welds in both flat and horizontal positions (11 min—1945—Color—Distribution limited to ZI—Commercial Adaptation).

9-1161 **Inside of Arc Welding—Part V: Vertical Position**

Vertical and groove welds—Importance of current setting, electrode angle, (arc length, and speed of travel (11 min—Color—Distribution limited to ZI—Commercial Adaptation).

9-1162 **Inside of Arc Welding—Part VI: Overhead Position**

Overhead weld—Four factors contributing to quality of a weld—Techniques for making overhead, fillet, and groove welds (11 min—1945—Color—Distribution limited to ZI—Commercial Adaptation).

9-1199 **Let's Look at Ordnance**

Role of ordnance troops—Ingenuity in devising ways and means to provide full-scale maintenance operations (20 min—1945—Film Reference).

MF No.	
9–1255	**Ordnance Service in an Oversea Theater** Operation of th ordnance service in China-Burma-India Theater (37 min—1946).
9–1286	**Defense of Antwerp Against the V–1** Antwerp from the time of its capture by Nazis to its liberation by allied forces—Subsequent battering by the V–1 bomb—Port saved by American and allied gunners, using a shifting defense strategy known as Antwerp X (21 min—1947).
9–1360	**Task Force Frigid** Cold weather test of personnel and equipment in Alaska at —60°F (37 min—1948).
9–7890	**Physical Facilities** The four essential steps in organizing physical facilities for a new enterprise (11 min—1952—Distribution limited to ZI).
9–7891	**Materials Control** Three materials control functions of management described (11 min—1952—Distribution limited to ZI).
9–7892	**Internal Organization** Fundamental purposes and basic principles of business organization—Several organization types discussed (12 min—1952—Distribution limited to ZI).
9–7940	**The Great Gun** Complete mobility and ease of operation of 280-mm gun—Technical superiority over conventional field artillery pieces (12 min—1952—Distribution limited to Central Film Libraries in ZI).
9–8191	**White Sands Proving Ground** Used as a testing range for armed services for guided missiles research—Typical engineering evaluation of NIKE—Recording and evaluating test data—Camouflage techniques for guided missile installation (22 min—1953—Color).
9–8260	**Project Stalk** Research study of M43, M47, M47E1, T–41E2, and M48 tanks at Camp Irwin to determine time required by American tank to hit a target—Tests included training, practice, and firing at test course (17 min—1954).
9–8335	**Machine Shop Work—Operations on the Lathe—Turning a Taper with the Tailstock Set Over** Calculating tailstock offset for cutting tapers—Offsetting the tailstock—Turning a taper with the tailstock set over (18 min—1954—Commercial Adaptation).
9–8336	**Machine Shop Work—Basic Machines—The Shaper** Functions, characteristics, and fundamentals of operation of the shaper (15 min—1954—From US Office of Education Film No. 70).
9–8338	**Machine Shop Work—Bench Work—Cutting Threads With Taps and Dies** Methods, operations, and procedures employed in cutting small threads—Cutting external threads with hand dies and internal

MF No.

threads with hand taps (19 min—1954—From US Office of Education Film No. 34).

9–8339 **Machine Shop Work—Bench Work—Reaming with Straight Hand Reamers**

Operations, methods, and procedures employed in reaming with straight hand reamers (20 min—1954—From US Office of Education Film No. 37).

9–8428 **Motor Mania**

Showing how a driver can forget how he acts as a pedestrian when he is behind the wheel (8 min—1955—Color—Commercial Adaptation).

9–8550 **Safety of Welders (Use of Welding Protective Equipment)**

Use of protective clothing and equipment to prevent eye injuries, skin burns, and metal fume poisoning (7 min—1955—Distribution to central film and equipment exchanges in CONUS and Transportation Command—From Navy Film MN 1921G).

9–8569 **How Not to Conduct a Meeting**

Common errors and omissions encountered in poorly planned meetings—Typical faults depicted: poor acoustics, poor ventilation, interruptions, and inadequate planning (10 min—1955—Distribution to central film libraries in CONUS—Commercial Adaptation).

10–1047 **Maintenance of Office Machines**

Three enemies of machinery—Dust—Dirt—Carelessness—Care and maintenance of typewriters, transcribing machines, dictaphones, adding machines, and calculators (37 min—1944—Distribution limited to ZI—From Navy Film MN 1513.

10–1168 **Railroaders Always**

Railroads in war—American railroad men and the most efficient railroad service in the world (18 min—1945).

10–1317 **Decision**

Four choices of disposition of remains next of kin may make —Permanent burial in either a private or military cemetery overseas—Return to US for burial in either private or national cemetery—Army's method to determine which family member is the legal next of kin (16 min—1947—Distribution limited to ZI only).

10–1337 **Exercise Musk Ox**

Canadian Army expedition from Churchill to Coppermine, on to Port Norman, and down Alaskan Highway—Equipment and preparations for trip—Difficulties encountered—Heavy demands on fuel supplies—Summary of results (58 min—1947—From British Film C 4533).

10–1339 **Food for Thought**

Statistical comparison of food consumption by average American soldier and average European—Food loss—Conservation (5 min—1948—Film Reference—Also included in AFSR 88).

10–1362 **Fundamentals of Diet**

Functional classification of food—Examples of food in each classification—Results of deficient diet (11 min—1947—Film

MF No.

Reference—Distribution limited to ZI—Commercial Adaptation).

10–1363 **Principles of Cooking**

Fundamentals—Boiling, frying, broiling, roasting, and steam cookery—Changing food properties by application of heat—Nutritive values and palatability—Changes in starches and meat when heat is applied (11 min—1947—Film Reference—Distribution limited to ZI—Commercial Adaptation).

10–1377 **Tremendous Trifles—Coffee Urns**

Correct and incorrect methods of brewing coffee—Importance of coffee to success of commercial restaurant (24 min—1948—Film Reference—Commercial Adaptation).

10–7519 **Crude Oil Distillation**

Crude oil from original state through various stages of distillation—Molecular structure (13 min—1949—Distribution limited to ZI—Commercial Adaptation).

10–7520 **Petroleum**

Locating, drilling, storing, refining, and using (11 min—1948—Film Reference—Distribution limited to ZI—Commercial Adaptation).

10–7521 **Story of Oil**

Oil in Canada from time it is discovered until it is put to use for home and commercial use—Living and working conditions of people in a Canadian oil town (18 min—1948—Film Reference—Distribution limited to ZI—Commercial Adaptation).

10–7527 **Mechanical Refrigeration and How it Works**

Mechanical operation of refrigeration plants—Basic laws of physics—Step-by-step description of refrigeration in law of heat flow, evaporation, and condensation—Use of various refrigerants—Advantages and disadvantages—How latent heat is used to bring about a cooling process (23 min—1948—From Navy Film MN 2246–A).

10–7578 **Maintenance of Fixed Laundry Equipment**

Maintenance factors—Records to determine efficiency, proper periodic checking of equipment, and stocking spare parts—Regular lubrication, cleaning, inspection, and adjustment of equipment (8 min—1949—Color—Film Reference—Commercial Adaptation).

10–7582 **Materials Handling of Unit Loads**

Advantages of using pallets, skids, trailers, and similar equipment for moving and stacking various types of materials (11 min—1949—Film Reference).

10–7842 **Operation Airborne**

Advantages of C–124 (Globemaster) as cargo hauler—Loading by pallet-train method—Cargo space—Auxiliary floor permitting passenger transport even when plane is cargo-loaded—Carrying capacity, troop, and cargo—Troop safety factor (22 min—1951—Film Reference—Distribution limited to ZI—Commercial Adaptation).

MF No.

10–7849 **Effectiveness of Laundry Soap**

Composition of laundry soap for use in large commercial-type laundry plants—Ingredients—Properties—Surface tension—Wetting power—Emulsification—Soil removing characteristics—Sudsing ability—Laundering tests—Effectiveness of high titer and low titer soap at different temperatures—Use of measuring devices and technical instruments including the microdetergency instrument—Principles of effective use of laundry soap (29 min—1952).

10–7937 **Quartermaster at Work**

Responsibilities of the Quartermaster Corps in maintaining the life line of the fighting strength by supplying the army with food, clothing, fuel, and fighting equipment—Importance of aerial supply operations—Effectiveness of delivery of supplies by airdrop (19 min—1952—Film Reference).

10–7941 **Battlefield Evacuation of Deceased Personnel**

Instructing graves registration personnel in techniques of search, recovery, identification, and evacuation of deceased personnel on the battlefield—Efficiency, dignity, and respect in all stages of the work (8 min—1953—Film Reference).

10–7942 **Processing of Remains and Interment in Temporary Military Cemeteries**

Procedures followed by graves registration personnel in processing of remains and interment in temporary military cemeteries—Methods of identifying remains—Importance of careful recording of identification data—Proper disposition of personal effects—Respectful military burial service befitting those who died on the field of battle (9 min—1953—Film Reference).

10–7943 **Search and Recovery of Deceased Personnel**

Instructing graves registration personnel in techniques of search, recovery, and identification of deceased personnel on the battlefield—These solemn responsibilities are carried out with care, dignity, and respect to our honored dead (7 min—1953—Film Reference).

10–8450 **Classification of QM Property (Serviceability)**

Purpose of QM serviceability classification system—Definition of the eight categories composing the system (8 min—1955).

10–8451 **Care of Tentage**

Carrying tent—Removing tent from cover—Handling and storing cover—Preparing tent site—Pitching, inspecting, and adjusting tent—Striking, folding, and storing (8 min—1955).

10–8452 **The QM Field Laundry**

Various phases of QM field laundry operation—Requirements for laundry site—Laundering process (9 min—1955).

10–8453 **Mobile Field Refrigeration**

Characteristics and application of the Brown Model QST–120 mobile field refrigeration unit—Capable of carrying 7½ tons of perishable supplies—Operation of components of the unit—Proper loading methods (11 min—1955).

MF No.	
10–8501	**QM Operation in Europe** Mission, responsibilities, and activities of the Army Quartermaster Corps in Europe (27 min—1955).
10–8551	**Meat Cutting by Rail Method** Shows the step-by-step procedure for cutting a hindquarter of beef using rail method—Advantages over table method (15 min —1956).
11–1001	**At the Front in North Africa** History of the African campaign, WW II—Story of a tank convoy from the day it lands until it engages the Nazis—African scenery—Arabs and natives in coastal cities (79 min—1943—Film Reference).
11–1006	**Report from the Aleutians** American soldiers in the battle of the Aleutians—American airmen drop bomb loads on Kiska and Japanese installations (40 min—1943—Color).
11–1016	**The Cathode-ray Oscilloscope** Purpose and general principles of operation of the cathode-ray oscilloscope—Operating checks (24 min—1944—Film Reference—From Navy Film MN 2104–B).
11–1032	**Photo Flash Photography—How it Works** Two principal types of camera shutters—Between-the-lens and focal plane—Characteristics of flash lamp required by each —Operation of synchronizer—Special flashlights for speed, color, daylight, and infrared photography—Importance of reflector—Care and maintenance of equipment (27 min—1944—Film Reference—Commercial Adaptation).
11–1087	**Radio Technician Training Series—Capacitance** Flow of electrons through a circuit—Charging and discharging a capacitor—Variations of charge on a capacitor in relation to time—Behavior of capacitance with alternating current (31 min—1944—Film Reference—From Navy Film MN 1540–A).
11–1088	**Radio Technician Training Series—Parts I and II: Inductance** Reaction of magnetic force around a coil—Self-inductance—Increasing inductance of a coil (34 min—1944—Film Reference —From Navy Film MN 1540–B).
11–1231	**Pro Patria Vigilans (Training and Operation of Signal Corps Units in WW II)** Functions and activities of the Signal Corps in WW II—Important achievements—Signal Corps participation in all phases of warfare—Submarine cables, teletypewriter, telephone carrier service, motion picture production and distribution—Recent developments in radar (22 min—1945—Film Reference).
11–1331	**Exercise Polar Bear** Canadian, British, and US observers move into remote regions, solving new supply and transportation problems—Working out tactical maneuvers—Use of snowmobiles—Cooperation of the Royal Canadian Air Force (71 min—1947—Film Reference).

MF No.

11-1332 **Exercise Eskimo**

Effects of extreme cold and snow on a combined military exercise in Northern Canada during the winter of 1944-45—Influence of weather extremes on operating effectiveness of men, equipment, supplies, mobility, communication, maintenance, and other phases of military tactics—Force Eskimo advances to take objective and then makes retrograde movement to initial point of departure (61 min—1947).

11-7710 **Science and the Signal Corps**

Importance of the Signal Corps' mission in modern war—Research and development laboratories originate and perfect both equipment and techniques—Phases of engineering work—Basic research—Efforts to integrate wire and radio—Simplification of equipment—Development of new equipment—Intensive testing of equipment and techniques (19 min—1950—Film Reference).

11-7754 **Facts About Film**

Physical makeup of motion picture film—Mechanics of projector—Proper treading—Examples of film scratches, cinch marks, and image jumping—Care in use of film in projector—Proper splicing (10 min—1951—Commercial Adaptation).

11-7803 **Your Job in the Signal Corps**

Role of communications in keeping US Army an integrated unit during WW II—Signal Corps job today—Planning and devising new communications systems—Science and engineering—Meteorology—Radar—Training of officer and enlisted personnel—Industrial Mobilization Program—Handling of contracts by signal corps Procurement Agency—Storage and distribution of signal equipment and supplies by signal depots—Responsibility of Signal Corps for communications in Alaska—Functions of Army pictorial Service—Operation of Signal Corps Pictorial Center—Importance of communications for future (20 min—1951—Film Reference).

11-7883 **Operation Inchon**

Amphibious landings on Korean west coast—Main supply lines of communists cut off—South Korean capital Seoul freed—Enemy resistance shattered—Participation of all services (18 min—1952).

11-7889 **Basic Protraiture Lighting**

Four fundamental lighting positions used in photographic portraiture—Armed forces portraiture—Newsreel techniques (13 min—1951).

11-7915 **Preventive Maintenance of Signal Equipment for Commanders**

Value, methods, and procedures of efficient signal communication operation—Utilizing echelon check lists—FITCAL, intelligent key to effective maintenance (15 min—1952).

11-8054 **The Step-by-step Switch—197-type Selector (Parts 1, 2, and 3).**

Part 1—Importance, complexity, and cost of switching equip-

MF No.

ment—Illustrates path of a call—Importance of maintenance practices

Parts 2—Mechanical functioning under various conditions of adjustment

Part 3—Circuit operation during vertical and rotary stepping (69 min—1954—Commercial Adaptation).

11–8208 **Drop Wire Runs—Part I**

Purpose of drop wire runs—Importance of using standard procedures in installation and maintenance—Frequent causes of drop wire failure—Effect of sag on tension (16 min—1954—Commercial Adaptation).

11–8209 **Drop Wire Runs—Part II**

Installation of drop wire from house to terminal pole with no interference—Installation of drop wire from house to span clamp with tree interference—Installation of drop wire from house to terminal pole across street with no interference—Installation of drop wire from house to pole on rear lot property line then to terminal pole one span away with problems of garages, fences, and gardens (30 min—1954—Commercial Adaptation).

11–8210 **"T" Zone Inspection**

Purpose, value, and method of making inspections of cable adjacent to terminals (the trouble or "T" zone)—Common causes of cable failure and how to detect, report, repair, and prevent such damage—Sources of trouble in aerial and block cables (18 min—1954—Color—Commercial Adaptation).

[S] 11–8378 **AA Defense System AN/GSG–2 (U)**

(33 min—1954—Distribution limited to film libraries at certain Class II installations).

[C] 11–8399 **Electronic Countermeasures Airborne Signal Analyzing Equipment AN/APA–74 (U)**

(22 min—1954—Limited distribution to TFL, Ft Monmouth, NJ M/F Use by: The Signal School; TFL, Ft Huachuca, Ariz. M/F use by: Army Electronic Proving Grounds—From Navy Film MN 7897–A).

11–8431 **Making Transparencies with Portable Transparency Printer and Developer**

Step-by-step process of making transparencies with portable transparency printer—Essentials of reflex printing with opaque material and direct printing with translucent material (7 min—1955).

11–8634 **Origins of the Motion Picture**

Traces development of motion picture photography and projection—From cave drawings to Edison's recording and projection machines (21 min—1956—From Navy Film MN 8103).

11–8674 **The Engineer and Standards Program—Experimental Rating Film No. 1**

Work pace studies of 3 operations—Assembling sheets, working adding machines, and posting cards (10 min—Silent 16 FPS—1956).

MF No.	
11–8703	**The Engineer and Standards Program—Experimental Rating Film No. 2** Work pace studies of two operations—Testing bulbs and loading cards (5 min—Silent 16 FPS—1956).
12–7841	**Recreation Center Operation** Activities at a typical recreation center in US—Outdoor and indoor games, boating trips, fishing parties, nursery and children's service—Dancing and social activities—Supply economy in handling special services equipment (13 min—1951—Film Reference).
12–7936	**The Soldier at Leisure** Discusses the nonathletic leisure program designed by Army Service Clubs to stimulate the interest of servicemen (14 min—1952—Film Reference).
12–7944	**Army Records Administration** Proper maintenance, utilization, preservation, retirement, and disposal of all types of record material—Duties and reponsibilites of records administration (23 min—1953—Film Reference).
12–8151	**It's Your Future** Recruitment film made for the purpose of encouraging reenlistment of soldiers (15 min—1953).
12–8201	**A Look Ahead** Surveying the opportunities and advantages of the army as a career—*To be shown only to soldiers whose enlistments are about to expire*—A means of encouraging their reenlistment (27 min—1954).
12–8733	**Army Residency Program (Recruiting)** Designed for recruiting doctors—Features and facilities of program—How it develops a broader professional scope (22 min—1956—Distribution to each Army Headquarters in CONUS).
16–1346	**The First Easter** Easter narrative taken from the Gospels (22 min—1947—Distribution limited to oversea commands—Commercial Adaptation).
16–1347	**Where Love Is, God Is** Tolstoy's story of cobbler who turned against his religion and his friends in bitterness over death of his child—The Bible as the solution to the problem (33 min—1947—Distribution limited to oversea commands—Commercial Adaptation).
16–1348	**Life of St Paul** The Road to Damascus (12 min)—The way of salvation (25 min)—Faith triumphant (22 min)—Grace of forgiveness (27 min)—Crown of righteousness (24 min)—Series of film on life of St Paul as recorded in Book of Acts and St Paul's Epistles (110 min—1947—Distribution limited to oversea commands—Commercial Adaptation).
16–1349	**2,000 Years Ago** The day's work (21 min)—The home (19 min)—The School (16 min)—The synagogue (22 min)—The travelers (22 min)

MF No.	
	—Results of research, including that of rabbinical scholars, on religious practice of the day—Recreating life in Palestine as it was in time of Christ (100 min—1947—Distribution limited to oversea commands—Commercial Adaptation).
16–1353	**Of These My People** Outstanding contributions made by Jews in America from 1654 to mid twentieth century—Commentary by Alfred Hayes, noted American poet (20 min—1947—Distribution limited to oversea commands—Commercial Adaptation).
16–1354	**Camps of the Dead** Atrocities committed in German concentration camps at Buchenwald, Dachau, Belsen, and other places—French and Allied cameramen's pictorial record (20 min—1947—Distribution limited to oversea commands—Commercial Adaptation).
16–1355	**The Eternal Gift** The solemn High Mass—Narration by eminent Bishop Fulton J. Sheen—Background of 125 cathedral choristers, 50 Gregorian chanters, and over 1,500 in support (86 min—1947—Distribution limited to oversea commands—Commercial Adaptation).
16–1357	**Perpetual Sacrifice** Exposition of Mass—Sacrifice of Mass (77 min—1947—Distribution limited to oversea commands—Commercial Adaptation).
16–1358	**St. Francis of Assisi** Life of St. Francis (83 min—1947—Distribution limited to oversea commands—Commercial Adaptation).
16–7542	**God of Creation** Sermon from science—Hand of God in nature—Trip into space—Metamorphosis of a caterpillar—Pollination—Photosynthesis—God the Creator (41 min—1949—Color—Commercial Adaptation).
16–7543	**God of the Atom** Fundamentals of atomic energy—Its application and research in military and scientific world—Operation Crossroads—Testimony of Lawrence Johnston, atomic physicist, and Commander Miller, USN—Return to religion in this critical atomic age (39 min—1949—Color—Commercial Adaptation).
16–7544	**Voice of the Deep** Sonic research refutes scientific theory of "silent deep"—Revelation of underwater sound and color challenge to agnosticism (30 min—1949—Color—Commercial Adaptation).
16–7557	**". . . And Forbid Them Not"** Combination of two Bible stories based on Matthew 18:1–6 and Mark 10:13–16 (11 min—1949—Distribution limited to oversea commands—Commercial Adaptation).
16–7558	**Daniel in the Lion's Den** Story of Daniel as found in Daniel 6 (17 min—1949—Distribution limited to oversea commands—Commercial Adaptation).
16–7559	**The Raising of Lazarus** Biblical account from John 11 of resurrection of Lazarus from

MF No.	
	the dead (13 min—1949—Distribution limited to oversea commands only—Commercial Adaptation).
16–7679	**Creation According to Genesis** Narration of King James Text—Essential truth of creation story—Creative majesty of God (10 min—1950—Color—Distribution limited to oversea commands—Commercial Adaptation).
16–7680	**Brotherhood of Man** Fundamental variation between races—Color cartoon (11 min—1950—Color—Distribution limited to oversea commands—Commercial Adaptation).
16–7681	**Stephen, The First Christian Martyr** Persecutions of early Church apostles and leaders—Trial of Stephen—Stephen's forgiving attitude toward those stoning him (25 min—1955—Distribution in CONUS and major oversea commands for use by the Chaplain Corps—Commercial Adaptation).
16–7682	**The Calling of Matthew** Matthew the despised follows Jesus—Story as recorded in Gospel of St Mark 2:13–17 (28 min—1950—Distribution limited to oversea commands—Commercial Adaptation).
16–7683	**A Stranger at the Door** Teenage refugee overcomes prejudice in the New World and gains new friends—Faith in mankind and trust in God (21 min—1950—Distribution limited to oversea commands—Commercial Adaptation).
16–7684	**Templed Hills** The Doxology for audience participation—Congregational hymn "Come Thou Almightly King"—Twenty-third Psalm, the Lord's Prayer—Illustrated inspirational message (25 min—1950—Color—Distribution limited to oversea commands—Commercial Adaptation).
16–7685	**The Flag Speaks** History of our flag—The freedoms represented by the American flag—Display and care of the flag (20 min—1950—Color—Distribution limited to oversea commands—Commercial Adaptation).
16–7686	**Dust or Destiny** Wonders of human body—Functions—Eyes, ears, heart, and hands compared with mechanical and electrical counterparts—Wonders of animal kingdom—Facts of plant life—Sermonized summary—God's plan (43 min—1950—Color—Distribution limited to oversea commands—Commercial Adaptation).
16–7687	**Barabbas the Robber** Barabbas and three followers are aroused by reception given Jesus on His entry into Jerusalem—Curiosity leads to their arrest—Plot to seize Jesus—Trial before Pilate—Release of Barabbas—Crucifixion of two of Barabbas' men, one on either side of Jesus—Barabbas recognized "Jesus died for me" (39 min—1950—Distribution limited to oversea commands—Commercial Adaptation).

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MF No.	
16–7808	**One God** An inspiring study of the three major faiths: Protestant, Catholic, and Jewish—Explains the teaching, ceremonies, and customs of each faith (39 min—1956—Commercial Adaptation).
16–7809	**In His Name** Pastor follows progress of sincere youth through high school and college—Ordination of youth as a minister (35 min—1951—Commercial Adaptation).
16–7810	**A Great Crowd of Witnesses** Sermon of life by Rev W. E. Sangster illustrated with scenes of the Olympic Games (14 min—1951—Commercial Adaptation).
16–7812	**This Charming Couple** Necessity for reciprocal love in marriage (19 min—1951—Commercial Adaptation).
16–7851	**The Story of the Pope** Story of Pope Pius XII—Narration by Bishop Fulton J. Sheen—Introduction by Francis Cardinal Spellman (60 min—1951—Commercial Adaptation).
16–7859	**Unto Thyself Be True** Efforts of modern police department to solve problem of juvenile delinquent through counseling of interfaith religious advisor (24 min—1951—Distribution limited to oversea commands—Commercial Adaptation).
16–7860	**No Other Gods** Modern interpretation of the teaching of The First Commandment (20 min—1951—Distribution limited to oversea commands—Commercial Adaptation).
16–7861	**On the Right Side** Gambling as an evil (20 min—1951—Distribution limited to oversea commands—Commercial Adaptation).
16–7862	**Speak No Evil** Evil effects of lying (27 min—1951—Distribution limited to oversea commands—Commercial Adaptation).
16–7863	**The First Step** Need for faith in God and self (30 min—1951—Distribution limited to oversea commands—Commercial Adaptation).
16–8014	**Hill Number One** Correlating Christ's suffering and forbearance on Calvary and our encounters with adversity (45 min—1952—Commercial Adaptation).
16–8190	**Holy Night—The Beginning of the Life of Jesus** Prophesies of Isaiah—Story of Mary and Joseph—Annunciation and birth of Christ—Story of the Shepherds and their arrival to behold the babe (31 min—1956—Commercial Adaptation).
16–8192	**Hidden Treasures** Revealing, under the microscope, the wonder of creation—Universe of the ocean's floor—Beauties of the desert—Contrast-

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ing these with the infinite wonders of the planets as seen through the telescope (43 min—1954—Color—Commercial Adaptation).

16–8206 **The Prior Claim**

A sermon from science developing the theme that whatever wonders man has discovered or invented over the years, nature already possessed them (43 min—1954—Color—Commercial Adaptation).

16–8317 **The Vatican**

Pictorial tour of the Vatican, symbol of Catholic strength—Customs and life in the Vatican—Priceless art treasures, their care and protection—Vatican library, radio station, and post office—Costume and ritual of Swiss Guard—Views of the Church of St. Peter (40 min—1955—Color—Commercial Adaptation).

16–8429 **Pilgrimage to Fatima**

Story of the miracle at Fatima in Portugal—Annual pilgrimage to Our Lady's Shrine to give prayer and reaffirm faith (27 min—1955—Commercial Adaptation).

16–8430 **The Shield of Faith**

Story of an 18-year-old boy whose faith is an armor against the temptations of life—Spiritual and moral strength derived from the church (26 min—1955—Commercial Adaptation).

16–8490 **The Conversion of Saul**

Depicts the persecution of the followers of Christ by Saul of Tarsus—Account of his conversion based on the Gospel story given in Acts IX (30 min—1955—Distribution limited to central film libraries and exchanges in CONUS and major oversea commands for use by the Chaplains—Commercial Adaptation).

16–8491 **Years of Apprenticeship**

Saul's stay in Damascus with Ananias—His stay in the desert for three years—His return to Damascus and escape to Jerusalem (30 min—1955—Distribution limited to central film libraries and exchanges in CONUS and major oversea commands for use by the Chaplains—Commercial Adaptation).

16–8492 **Return to Jerusalem**

Saul returns to Jerusalem and joins the disciples of Christ—Proves his faith in word and deed (30 min—1955—Distribution limited to central film libraries and exchanges in CONUS and major oversea commands for use by Chaplains—Commercial Adaptation).

16–8493 **Ambassador for Christ**

Story of the great famine of Judea—How the Antiock church helped send relief—A powerful message in stewardship and evangelism (30 min—1955—Distribution limited to central film libraries and exchanges in CONUS and major oversea commands for use by the Chaplains—Commercial Adaptation).

16–8494 **First Missionary Journey**

Saul's visit to the island of Cyprus—His triumpth for the Christian cause—Saul chooses to be known by his Roman name,

MF No.

Paul of Tarsus (30 min—1955—Distribution limited to central film libraries and exchanges in CONUS and major oversea commands for use by the Chaplains—Commercial Adaptation).

16–8495 **Stoning at Lystra**

Perilous journey of Paul and Barnabas from Perga to Lystra —Miracle at Lystra—Stoning of Paul by the populace—Paul and Barnabas continue their ministry for Christ (30 min—1955 —Distribution limited to central film Libraries and exchanges in CONUS and major oversea commands for use by the Chaplains—Commercial Adaptation).

16–8496 **Second Missionary Journey**

Paul returns to Jerusalem—Discusses question concerning acceptance of Gentile converts with James and Peter—His journey to Phillippi—Runs into opposition and is held for trial (30 min —1955—Distribution limited to central film libraries and exchanges in CONUS and major oversea commands for use by the Chaplains—Commercial Adaptation).

16–8497 **Visit to Corinth**

In Phillippi, Paul and Silvanus are accused of treason and sentenced to prison—Their eventual freedom and the conversion of the jailer—Paul and Silvanus journey to Thessalonica—Paul goes on to Athens—Returns to Corinth and is rejoined by Timothy and Silvanus (30 min—1955—Distribution limited to central film libraries and exchanges in CONUS and major oversea commands for use by Chaplains—Commercial Adaptation).

16–8498 **Third Missionary Joourney**

Paul revisits the churches in Galatia—His stay at Ephesus for 2 years—Runs into trouble with Dimetrius, Leader of idol profiteers—Returns to Jerusalem (30 min—1955—Distribution limited to central film libraries and exchanges in CONUS and major oversea commands for use by the Chaplains—Commercial Adaptation).

16–8499 **Trial at Jerusalem**

Paul, Luke, and Timothy return to Jerusalem bringing gifts and offerings from churches in Galatia—Paul arranges to stand as sponsor in the Temple for four men under vows—His presence creates disturbance in the temple—He is taken into custody by Romans—His final plea, to be heard before Caesar (30 min —1955—Distribution limited to central film libraries and exchanges in CONUS and major oversea commands for use by the Chaplains—Commercial Adaptation).

16–8500 **Voyage to Rome**

Paul makes the voyage to Rome—Presents his case to Nero—He is held in protective custody for 2 years—Taken to the Emperor for final sentence (30 min—1955—Distribution limited to central film libraries and exchanges in CONUS and major oversea commands for use by the Chaplains—Commercial Adaptation).

16–8602 **We Believe—What Catholics Believe About Religion**

Divine faith of God as taught by the creeds, religious prac-

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tices, and code of the Catholic Church (28 min—1956—Distribution to central film and equipment exchanges in CONUS and major oversea commands for use by the Chaplains).

16–8603 **We Believe—What Catholics Believe About God**
The belief of the Holy Trinity (28 min—1956—Distribution to central film and equipment exchanges in CONUS and major oversea commands for use by the Chaplains).

16–8604 **We Believe—What Catholics Believe About Man**
The nature of man—Natural and divine gifts, the "original sin," and the redemption of man (28 min—1956—Distribution to central film and equipment exchanges in CONUS and major oversea commands for use by the Chaplains).

16–8605 **We Believe—What Catholics Believe About Christ**
The divine and human nature of Christ—the three modes of existance as God, Man, and Church (28 min—1956—Distribution to central film and equipment exchanges in CONUS and major oversea commands for use by the Chaplains).

16–8606 **We Believe—What Catholics Believe About Moral Life**
Observance of universal law of nature, divinely revealed law, and Canon Law of Catholic Church (28 min—1956—Distribution to central film and equipment exchanges in CONUS and major oversea commands for use by the Chaplains).

16–8607 **We Believe—What Catholics Believe About Divine Worship**
The meaning and ritual of the Mass (28 min—1956—Distribution to central film and equipment exchanges in CONUS and major oversea commands for use by the Chaplains).

16–8608 **We Believe—What Catholics Believe About Sanctifying Grace**
How Sanctifying Grace enables man to develop the power to merit heaven by knowing and loving God (28 min—1956—Distribution to central film and equipment exchanges in CONUS and major oversea commands by use of the Chaplains).

16–8609 **We Believe—What Catholics Believe About Actual Grace**
Explains actual grace as the divine energy given by God to assist man along the road of life (28 min—1956—Distribution to central film and equipment exchanges in CONUS and major oversea commands for use by the Chaplains).

16–8610 **We Believe—What Catholics Believe About Religious Life**
The meaning and origin of Holy Orders—How a greater heaven is attained through either the contemplative or mixed life (28 min—1956—Distribution to central film and equipment exchanges in CONUS and major oversea commands for use by the Chaplains).

16–8611 **We Believe—What Catholics Believe About the Sacraments**
Explains the seven sacraments—Baptism, Confirmation, Matrimony, Holy Orders, Penance, Holy Eucharist, Extreme Unction (Last Anointing) (28 min—1956—Distribution to central film and equipment exchanges in CONUS and oversea commands for use by the Chaplains).

MF No.

16–8612 **We Believe—What Catholics Believe About the Family**

Definition of marriage as a contract for the birth, rearing, and education of children, and as a sacrament indicating inward grace (28 min—1956—Distribution to central film and equipment exchanges in CONUS and major oversea commands for use by the Chaplains).

16–8613 **We Believe—What Catholics Believe About Church and State**

Defines the spiritual role of the Church and the temporal role of the State, and how each is necessary for the happiness of man (28 min—1956—Distribution to central film and equipment exchanges in CONUS and major oversea commands for use by the Chaplains).

16–8614 **We Believe—What Catholics Believe About the Bible**

Origin, contents, and meaning of the Bible, underscoring the idea that it is a deposit of faith divinely revealed by God (28 min—1956—Distribution to central film and equipment exchanges in CONUS and major oversea commands for use by the Chaplains).

16–8632 **Time and Eternity**

Man's search for knowledge of the mystery of time, space, and matter, developing theme that man's salvation depends on love for God (43 min—1956—Color—Distribution to central film and equipment exchanges in CONUS and major oversea commands—Commercial Adaptation).

16–8655 **Preparing for Military Service**

Develops the theme that training in everyday duties of citizenship is a part of the preparation for military service—How service brings about larger moral decisions—How personal standards and good habits prepare one for service and life—Similarities and differences between military and civilian life—Interpretation of military discipline as an extension of self-discipline (30 min—1956—Distribution in CONUS only).

16–8661 **Escape to Egypt**

Joseph and Mary's stay in Bethlehem after the birth of Jesus—The Order for the slaughter of the innocents—Escape of the Holy Family (30 min—1956—Commercial Adaptation).

16–8671 **Heritage**

Animated film affirming that civil rights and laws are predicated on human rights, fundamental for human progress and freedom (9 min—1956—Commercial Adaptation).

16–8676 **Boyhood and Baptism**

Life of Jesus Christ from the time His family leaves Egypt until He is baptized (30 min—1956—Commercial Adaptation).

16–8677 **Men of the Wilderness**

Testimony of John the Baptist—Conflict between Herod and Herodias over John—Healing of madman at Capernaum and curing of sick by Jesus (30 min—1956—Commercial Adaptation).

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MF No.	
16–8685	**The Challenge of Faith** Jesus spreads His teachings in Galilee—Imprisoned, John the Baptist is told of the wonders of Jesus—Jesus meets Matthew, the Publican (29 min—1956—Commercial Adaptation).
16–8686	**Discipleship** Jesus chooses His 12 disciples and teaches them how to pray—He cures a leper in Galilee (28 min—1956—Commercial Adaptation).
16–8691	**Return to Nazareth** Jesus journeys back to Nazareth—His wonders in Capernaum, Cana, and Samaria—Episode in Nazareth—He journeys on to Galilee (29 min—1956—Commercial Adaptation).
16–8700	**Government is Your Business** Story of a young man who shows that corrupt government is due to the weakness of good people more than to the strength of evildoers (27 min—1956—Commercial Adaptation).
16–8701	**Jerusalem, The Holy City** Relation of Jerusalem to the Christian, Jewish, and Islamic faiths—Origin, history and creed of each faith (10 min—1956—Color—Commercial Adaptation).
17–1280	**Tank Mission—World War II** Armored Tanks of WW II on maneuvers and in action in the ETO—Versatility of tanks—Tank speed increase in fields when using the hedgerow cutter—Mine locators and detonators used on front of tank for safety and efficiency purposes when traveling in enemy territory—Camouflage methods—Great contributions of tanks in WW II (10 min—1946).
17–7864	**Hell on Wheels** WW II history of 2d Armored Division (17 min—1951).
19–1073	**Attack on Hidden Waste** Achieving maximum efficiency on job through proportional use of time (15 min—1944).
19–7546	**Your Army in Disaster Relief** Army's role in disasters in US—Texas City disastor—Snowbound areas in winter of 1948–49—Floods along Mississippi—Aiding stricken communities—Military police, medical, engineer, signal, and other units aiding in disaster relief (17 min—1949).
19–8027	**Security Control, You Never Can Tell** Emphasizing awareness of security program responsibilities on-and-off the defense plant job—Carelessness of well-intentioned employees—Proper handling of classified information (40 min—1952—Film Reference—From Navy Film MN 6947).
19–8274	**Civil Assistance in Korea** Purpose, scope, and activities of civil assistance—Illustration of how the civil assistance program helped the Korean people—Accomplishments of civil assistance (30 min—1954).
19–8415	**Provost in a Divisional Move** Duties and responsibilities of military police in planning for a divisional move—Provost marshal plan in action—Factors considered are equipment, starting points, designated routes,

MF No.	
	signaling parties, traffic points, and provisions for detours i case of breakdown (30 min—1955—Film Reference—Fror British Army Film BC 3057).
19–8509	**The Traffic Officer in Court** Importance of neat appearance, and of thorough preparatio of case, and proper presentation of case in court (10 min—195 —Commercial Adaptation).
19–8510	**Hit-and-run Investigation** Basic techniques applied in hit-and-run accident investigations (10 min—1955—Commercial Adaptation).
19–8511	**Detecting and Recording Skidmarks** How to detect and record skidmarks (8 min—1955—Commercial Adaptation).
20–1144	**Ideas Unlimited** Steps involved in work simplification (18 min—1951—Commercial Adaptation).
20–1192	**Combat Team** Efficient operation in airplane factory necessary for successful air combat operations (37 min—1945—Commercial Adaptation).
20–1216	**Hawaiian Holiday (Recruiting Subject)** Military recreational facilities in Hawaii—Variety of entertainment for off-duty hours (18 min—1945—Distribution limite to ZI only).
20–1240	**Oil Fires** Fire fighting methods to control oil fires (46 min—1945–Commercial Adaptation).
20–1300	**America the Beautiful** Technicolor tour of the US—From New York to Death Valle (17 min—1947—Color—Commercial Adaptation).
20–1367	**It's Wanton Murder** Veteran of WW II injured fatally by driver attempting t beat the light (12 min—1947—Commercial Adaptation).
20–1368	**"X" Marks the Spot** Traffic experience of typical driver and pedestrian (22 min–1947—Commercial Adaptation).
20–1370	**Highway Mania** Interviews of traffic authorities by Lowell Thomas—Dangerous driving hazards—Correct methods (10 min—1947—Commercial Adaptation).
20–1371	**A Safe Day** Home, highway, and industrial safety—Safety message t average worker—Daily routine of safe worker (10 min—1947–Commercial Adaptation).
20–1372	**Your Driving Habits** Elements of good driving—Starting engine—Using clutch an gearshift—Brakes—Driving on curves, pavements, in mountainous country, through ice, snow, water, and mud—Parking ca (14 min—1947—Commercial Adaptation).

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MF No.

20–1396 **Crossroads—Radiological Safety**

Radio safety teams at Bikini during Operation Crossroads—Use of Geiger counters—Ionization chambers—Film badges for measuring radioactivity—Use of drone boats and planes for investigating highly contaminated areas—Methods of plotting these areas—Divers investigating radioactivity resulting from test—Marine life gathered for further study (25 min—1947—From Navy Film MN 5367–B).

20–1428 **Atomic Physics**

Atomics from the time of Dalton through Mandelieff, the Curies, and Decquerel to the present—Live recordings of Lords Rutherford and Thompson, Dr. Einstein, Cockeroft, and Frische—Film is divided into five parts for use as a training aid (100 min—1948—Commercial Adaptation).

20–7500 **Atomic Energy**

Basic principles—Formation of atom into electrons, protons, and neutrons—Bombardment of the atom with resultant radiation of atomic energy—Chain reaction (11 min—1948—Commercial Adaptation).

20–7513 **Exercise Yukon**

Tactical operation—Four objectives—Testing air transports in arctic—Defending arctic airfields—Developing methods of training ground force units—Reporting data for further arctic operations (30 min—1949).

20–7670 **Radiological Safety on Operation Sandstone**

Various aspects and problems of atom bomb tests at Eniwetok—Types of equipment for measuring and recording exposure to radiation—Strength, effects, and shielding qualities of various materials—Evaluation of data after explosion (26 min—1950—From Armed Forces Special Weapons Project 19–3).

20–7671 **Security Control in Operation Sandstone**

Review of stringent security measures observed during atom bomb tests at Eniwetok during spring of 1948 (24 min—1950—From Armed Forces Special Weapons Project 19–16).

20–7672 **United States Army Engineers in Operation Sandstone**

Engineer problems at Eniwetok atom bomb test—Demolition of old buildings and erection of new—Rebuilding roads and runways—Clearing land for visibility and photography—Installing water systems and electricity—Preparing towers, concrete blockhouses, and walls to test shielding effects of various materials—Other technical installations—Installing coaxial cables (20 min—1950—From Armed Forces Special Weapons Project 19–10).

20–7673 **Story of Communications on Project Sandstone**

Necessary communications system—Communications handled by military personnel of all three branches of service—Civilian technicians—Setting up telephone and teletypewriter communications systems, radio nets, and radar listening posts for security purposes—Submarine cable and courier service (29 min—1950—From Armed Forces Special Weapons Project 19–7).

MF No.	
20-7674	**Weather to . . .** Role of meteorological personnel during the atomic bomb tests at Eniwetok, Operation Sandstone—Importance of accurate weather data in planning tests—Meteorologists of Joint Task Force Seven plotting weather (22 min—1950—From Armed Forces Special Weapons Project 19-6).
20-7675	**The Navy's Part in Operation Sandstone** A resume of all phases of work involved in carrying out the project including the many contributions of the Navy to its success (40 min—1950—From Armed Forces Special Weapons Project 19-14).
20-7676	**Look—No Hands (Operation Sandstone)** The role played by the Air Force in the tests at Eniwetok, with the use of drone planes (20 min—1950—From Armed Forces Special Weapons Project 19-11).
20-7725	**Arctic Indoctrination School—Winter 1950** Army's Arctic indoctrination school at Big Delta, Alaska, winter 1950—Student troops at school—Snowshoe and ski technique—Bivouac in snow—Constructing various types of shelters—Mining a frozen lake surface to impede mechanized attack—Demonstration of penetration power of small arms fire into snow and ice (15 min—1950).
20-7728	**Crop Check** Methods used to estimate yields of crop fields—Advantages of intelligent crop estimating (15 min—1950).
20-7773	**An Introduction to Radiation Detection Instruments** Instruments for detection of atomic radiation, including alpha, beta, and gamma rays—Pocket dosimeter, pocket chamber, ion chambers, Geiger counters—Principles and practical application of these instruments (18 min—1950—From Armed Forces Special Weapons Project).
20-7815	**The Effects of Atomic Bomb Explosions** Preparation for atomic attack—Relative effects of various kinds of atomic explosions as determined at Nagasaki, Hiroshima, and the Pacific testing range, as well as the theoretical effects of ground-contacts and underground explosions—Nuclear radiation (21 min—1951—From Armed Forces Special Weapons Project).
20-7854	**Last Date** Dangers of speeding illustrated by tragic accident affecting the lives of four teenagers (19 min—1951).
20-7855	**And Then There Were Four** Minor traffic violations—Difference between minor and major violations (26 min—1951—Commercial Adaptation).
20-7857	**A Closed Book** Launching of safety crusade by small town doctor whose wife has been killed by hit-and-run driver—Difficulty of convincing indifferent public that safety is everbody's business (26 min—1951—Commercial Adaptation).

MF No.

20–7896 **The Basic Physics of an Atomic Bomb**

Basic principles of atomic energy and the atomic bomb—Atomic numbers—Isotopes—Half-life—Fusion—Fission—Chain reaction—Critical mass (19 min—1952—Color).

20–7924 **Dress Rehearsal**

A good soldier is a well-trained soldier—Techniques of combat conditioning and psychological indoctrination—Basic training attack course—Realism simulated by barrage of live ammunition, direct tank fire, all-night bivouac, combined arms attack (13 min—1952).

20–7949 **KMAG and the ROK Soldier**

Developments of South Korean Army under US Korean Military Advisory Group (27 min—1954).

20–7956 **Atomic Support for the Soldier**

Pictorial record of *Exercise Desert Rock* staged near Las Vegas, Nevada, in November 1951, showing relative destructiveness of atomic bomb and defense measures against it—Research tests under simulated combat conditions—Effects on men, equipment, fortifications, and materiel (21 min—1953).

20–7979 **Troop Information and Education in the Field**

The US soldier fights best because he is an efficient fighting man kept in top physical form, highly trained in military skills, and mentally alert—The Army's troop information and education program provides, even in combat areas, educational programs from basic to university level (17 min—1953).

20–7986 **Aircraft Recognition—Soviet Jet Aircraft**

Individual structural and performance characteristics of the Russian jet aircraft, the MIG–15, YAK–15 (modified), and MIG–9 (15 min—1953—Film Reference—From Navy Film MN 6898–C).

20–7991 **Recogntion of Jet Aircraft**

Depicting the salient structural features and performance characteristics of the F9F Panther, F2H Banshee, F3D Skynight, and F7U Cutlass (15 min—1953—Film Reference—From Navy Film MN 6898).

20–7995 **Pick Your Safety Target**

Teaching the supervisor and foreman how to analyze the causes of accidents—What action to take on evidence—Classifying accidents, interpreting the facts, and transplanting them into positive accident-prevention measures (14 min—1953—Commercial Adaptation).

20–7997 **Safety in Offices**

Common office accidents—Developing among employees awareness of hazards to avoid—Need for implementing safety measures (10 min—1953—From Navy Film MN 1921–D).

20–8147 **Eyes of Flight**

Techniques of handling, forming, and storing acrylic plastic, commonly called Plexiglas or Lucite—Uses, many and essential, to aircraft (30 min—1953—Color).

MF No.

20-8148 **Radioactive Contamination**

This film helps to resolve the remaining misconceptions concerning hazards of radioactive contamination—Lessons learned from aircraft carrier *Independence*, a thoroughly contaminated guinea pig, subjected to various types of surveys—Decontamination measures possible under tactical situations—Radioactive contamination control (20 min—1953—From Armed Forces Special Weapons Project 5201).

20-8218 **Safety Saves**

Driver training and safety practices as applied to operation of fork-lift trucks and towing tractors—Do's and don'ts of safe driving—Causes of most accidents and how to avoid them (26 min—1954—Commercial Adaptation).

20-8224 **Training at Officer Candidate Schools**

Example of how officer candidate schools are conducted is the school at Fort Benning, Georgia—Qualities needed for selection to receive training leading to commission as 2d Lieutenant in the Army of the US—Military skills and techniques, leadership and military know-how stressed (25 min —1954).

[S-RD] 20-8261. **Ivy—Documentary Film (U)**

(69 min—1954—Color—Distribution limited to the AA&GM Branch—TAS, Ft Bliss, Texas and C&GSC, Ft Leavenworth, Kansas—There are two other versions: (a) 28 min. version—Unclassified AFIF 62, distributed by DA—(b) 36 min version FOR OFFICIALS USE ONLY, not distributed by DA).

[S-RD] 20-8267. **Operation Upshot—Knothole 1953 (U)**

(43 min—1954—Color—Distribution limited to: Central film libraries in CONUS and USAREUR and film libraries serving the Armor, Artillery, and Infantry Schools).

20-8282 **The Gamblers (Safe Tractor Operation)**

Safe operation of the tractor—Operational hazards—Necessary precautions to avoid accidents to operator and others (21 min—1954—Commercial Adaptation).

20-8322 **Time to Go (Selective Service)**

Organization, purpose, and operation of selective service system—Personnel and activities of local boards—Requirements, obligations, classification, and deferments of draftees—Preinduction processing—Induction—Benefits of Army training (28 min—1955—Film Reference).

20-8348 **Drive Right**

Analysis and illustration of four major causes of traffic accidents (intoxication, fatigue, speed, and preoccupation) involving military personnel (20 min—1954—From Navy Film MN 7498-B).

[S-RD] 20-8350. **A Special Weapons Orientation—Part II—Basic Atomic Weapons (U)**

(11 min—1954—Color—Distribution limited to: CFL's in CONUS; major OS Commands; Service Schools of the Com-

MF No.	
	bat Arms—From Armed Forces Special Weapons Project 30–11, Pt 2).
20–8357	**To Live in Darkness** Cases of men who have lost their sight as a result of careless attitudes toward occupational hazards (14 min—1954—From Navy Film MN 1921–F).
[S–RD] 20–8386	**A Special Weapons Orientation—Part V—Effects of Atomic Weapons (U)** (14 min—1954—Distribution limited to: CFS's in CONUS; major OS Commands and to Service Schools of the Combat Arms).
20–8410	**Sgt MacDuff—Salesman (Recruiting)** Four basic steps for successful recruitment of men into the Army (19 min—1955).
[S–RD] 20–8416.	**Universal Fuze A, MK 6, Application (U)** (21 min—1955—Distribution limited to: Asst Commandant Artillery School, AA&GM Branch, Ft Bliss, Texas; SCPL&L M/F: Chief of Ordnance SCPL&L M/F: Chief, Engineers).
20–8418	**Beyond Tomorrow—A Story of an American Girl** WAC recruiting film—Story of a young girl, who on the day of her marriage reflects on her life in the WAC—Evaluates her military career, recalls her training and job assignments and gains in personal development and maturity (15 min—1955—Color).
20–8419	**Chaplain USA** Army chaplain and his job—His training, assignments, and responsibilities (19 min—1955—Color).
20–8420	**All Star Team (Recruiting)** Army recruiting film stressing importance of the individual soldier to the Army team—Organization and function of the Army—Army life in combat and in peacetime (24 min—1955).
20–8421	**Prepare Through Education (Recruiting)** Need and demand for specialists to fill technical jobs in society—High school education is a foundation for future careers—Army affords specialist training and career opportunities for high school graduates (16 min—1955).
20–8422	**The US Medical Team (Medical Recruiting)** Missions and functions of various departments in the medical service—Vital and humane role played by medical team—Advantages of a medical career in the Army (15 min—1955—Distribution limited to central film libraries in CONUS).
20–8442	**The Soldier's Hour** Explains how unit commanders, reenlistment officers, and NCO's should implement an active, workable reenlistment program at the unit level (18 min—1956—Color).
20–8504	**New Weapons and Equipment for the Army** Improved and new designs for air, ground and amphibious

MF No.	
	operations, communication, firepower, radar and guided missiles, and protective and fighting equipment for individual soldier (26 min—1955—Distribution in CONUS and overseas).
[S-RD] **20-8508.**	**Atomic Tests—1952-1953 (U)** (1956—From Armed Forces Special Weapons Project 30-26).
20-8563	**Safe Clothing** Presents with humor the hazards of wearing the wrong clothing on a machinist's job (7 min—1955—Commercial Adaptation).
20-8587	**Devil Take Us (Motor Vehicle Safety)** Dramatizes driving hazards—Traffic jams, speeding, intoxication, lack of concentration, personality immaturity—Stress on accident prevention (21 min—1956—Commercial Adaptation—Distribution limited to central film and equipment exchanges in CONUS and overseas).
20-8591	**The Whites of Their Eyes** A US Army reserve film, narrated by Edward R. Murrow on the theme of strength in reserve as power against potential enemy (26 min—1956—Distributed in CONUS only).
20-8631	**Motor March Discipline—RASC** Normal Column, Dispersed Column, and Packet Methods of motor march in day light—Types of movement at night—Details of move using Packet Method (43 min—1956—From British Film C 1099).
20-8635	**Dollars and Sense—The Army Financial Management Plan** Cost of performance budget—Consumer funding—Stock fund—Industrial fund—Integrated accounting—Financial property accounting—Internal audit (34 min—1956).
20-8637	**Junior Officer Leadership Problem No. 1** The problem of overruling a pass in the face of a subsequent work detail (4 min—1956—Limited distribution—Commercial Adaptation).
20-8638	**Junior Officer Leadership Problem No. 2** The problem of intersection harmony in preparing for a scheduled training problem (5 min—1956—Limited distribution—Commercial Adaptation).
20-8639	**Junior Officer Leadership Problem No. 3** The problem of placing the right man in a job (9 min—1956—Limited distribution—Commercial Adaptation).
20-8640	**Junior Officer Leadership Problem No. 4** The problem of maintaining proper attitudes towards job details (3 min—1956—Limited distribution—Commercial Adaptation).
20-8641	**Junior Officer Leadership Problem No. 5** The problem of issuing conflicting orders (3 min—1956—Limited distribution—Commercial Adaptation).
20-8642	**Junior Officer Leadership Problem No. 6** The problem of one man's personal worry affecting the ef-

ficiency of an entire section, and how to permit him to resolve it (5 min—1956—Limited distribution—Commercial Adaptation).

20-8643 **Junior Officer Leadership Problem No. 7**

The problem of rescinding a pass because of disobedience to the NCO (5 min—1956—Limited distribution—Commercial Adaptation).

20-8644 **Junior Officer Leadership Problem No. 8**

The problem of stringent measures used by the NCO in shaping up a section (4 min—1956—Limited distribution—Commercial Adaptation).

20-8645 **Junior Officer Leadership Problem No. 9**

The problem of overruling an NCO's order to surrender as the only means of survival in a particularly dangerous combat situation (4 min—1956—Limited distribution—Commercial Adaptation).

20-8646 **Junior Officer Leadership Problem No. 10**

The problem of dealing with a well-meaning NCO who disobeys an order by going out on a dangerous mission in lieu of his men (8 min—1956—Limited distribution—Commercial Adaptation).

20-8647 **NCO Leadership Problem No. 1**

The problem of carrying out an imposed disciplinary action on a man who fell out of a march (4 min—1956—Limited distribution—Commercial Adaptation).

20-8648 **NCO Leadership Problem No. 2**

The problem of dealing with sullen, uncooperative men on a work detail (7 min—1956—Limited distribution—Commercial Adaptation).

20-8649 **NCO Leadership Problem No. 3**

The problem of turning in AWOL absentees, no matter what the human motive for the AWOL action (3 min—1956—Limited Distribution—Commercial Adaptation).

20-8650 **NCO Leadership Problem No. 4**

The problem of antagonistic feelings between men competing for the same job (4 min—1956—Limited distribution—Commercial Adaptation).

20-8651 **NCO Leadership Problem No. 5**

The problem of dealing with men who refuse to comply with the Squad Leader's order in combat (5 min—1956—Limited distribution—Commercial Adaptation).

21-8424 **Accent on Learning**

Acquaints instructors with audio-visual techniques used in the areas of fine arts, engineering, drawing, political science, geography, accounting, anatomy, and industrial engineering—Application of film strips, lantern slides, charts, models, lecture, demonstration, the blackboard, motion pictures, and field experience (30 min—1955—Commercial Adaptation).

MF No.	
21–8433	**Easy Out (Effects of Dishonorable Discharge)** Harmful results of a bad conduct discharge from service—Effects of a bad service record in civilian life (21 min—1955—From Navy Film MN 7904).
21–8505	**Notebook Warrior** This kinescope adaptation relates the story of a young musician's conflict in adapting to his Army environment (43 min—1956—Distribution limited to central film and equipment exchanges in CONUS, USAREUR, and USAFFE—Commercial Adaptation).
22–8025	**The Way Ahead** The story of a British Infantry platoon from its birth in a training depot to its baptism of fire (118-min—1952—Withdrawn from oversea commands—From British Army Film BC 5406).
28–8250	**The Sprints** Fundamentals of sprinting mechanics centering around the 100- and 220-yard dashes—Impact style and natural stretch stride—Synchronization of leg and arm action—Starting technique—Physical fitness exercises—Importance of smooth coordinated action (21 min—1954—Commercial Adaptation).
28–8251	**The Hurdles** Fundamentals of basic hurdling styles—Adaption of styles to varying physiques—Rear hip and leg motion—Body balance—Correct clearance—Physical fitness exercises (11 min—1954—Commercial Adaptation).
28–8252	**Broad Jump** Fundamentals of the broad jump—The one, two, and three stride styles—Speed control—Timing and coordination—Physical fitness exercises (11 min—1954—Commercial Adaptation).
28–8253	**High Jump** Fundamentals of western roll jump and straddle jump—Body lean and reverse—Proper approach—Coordination of arm and leg action—Special physical fitness and exercises for agility (11 min—1954—Commercial Adaptation).
28–8254	**Shot Put** Importance of rhythm—Control of tension—Finger and hand grip—Finger and wrist snap—Foot position—Exercises to develop agility and speed (11 min—1954—Commercial Adaptation).
28–8255	**Pole Vault** Basic vaulting principles—Fundamentals of western and eastern techniques—Running action—Proper grip—Selection of pole—Vaulting action—Exercises to develop physical fitness and agility (11 min—1954—Commercial Adaptation).
28–8256	**Discus** Demonstrating the slow strong and the lightweight techniques of discus throwing—Principles of centrifugal force, proper grips, pivots, finger roll, and heel of thumb pressure (11 min—1954—Commercial Adaptation).

MF No.	
28–8257	**Javelin** Javelin throwing techniques—Four-stage catapult throw—Preliminary run—Hand grip—Concluding stride—Throwing stance (11 min—1954—Commercial Adaptation).
28–8258	**The Relays** Basic skills of running and passing in the relays—Proper pass for the right event—Visual pass—Blind pass—Right and left exchange—Relay starts (11 min—1954—Commercial Adaptation).
28–8259	**The Middle Distances** Proper sprinting techniques of middle distance running—Ball-of-the-foot running—Automatic stride—Pendulum and bicycle strides (11 min—1954—Commercial Adaptation).
28–8266	**The Distances** Proper style in running distances—Development of speed and stamina—Controlled tension—Forward knee reflex—Correct automatic stride (11 min—1954—Commercial Adaptation).
[S] 30–7964	**Classified** (63 min—1953—Exhibition limited to CIC personnel on need-to-know basis ONLY, Other showings require authorization by ACSI, DA).
[C] 30–7965	**Classified** (14 min—1953—Exhibition limited to CIC personnel on need-to-know basis ONLY. Other showings require authorization by ACSI, DA).
[C] 30–7966	**Classified** (9 min—1953—Exhibition limited to CIC personnel on need-to-know basis ONLY. Other showings require authorization by ACSI, DA).
[C] 30–7967	**Classified** (20 min—1953—Exhibition limited to CIC personnel on need-to-know basis ONLY. Other showings require authorization by ACSI, DA).
[C] 30–7968	**Classified** (13 min—1953—Exhibition limited to CIC personnel on need-to-know basis ONLY. Other showings require authorization by ACSI, DA).
[C] 30–7969	**Classified** (9 min—1953—Exhibition limited to CIC personnel on need-to-know basis ONLY. Other showings require authorization by ACSI, DA).
[C] 30–7970	**Classified** (19 min—1953—Exhibition limited to CIC personnel on need-to-know basis ONLY. Other showings require authorization by ACSI, DA).
[S] 30–7971	**Classified** (18 min—1953—Exhibition limited to CIC personnel on need-to-know basis ONLY. Other showings require authorization by ACSI, DA).

MF No.

[S] 30-7972 **Classified**
(8 min—1954—Exhibition limited to CIC personnel on need-to-know basis ONLY. Other showings require authorization by ACSI, DA).

[S] 30-7973 **Classified**
(18 min—1954—Exhibition limited to CIC personnel on need-to-know basis ONLY. Other showings require authorization by ACSI, DA).

[S] 30-7974 **Classified**
(12 min—1954—Exhibition limited to CIC personnel on need-to-know basis ONLY. Other showings require authorization by ACSI, DA).

30-8401 **Armies of the World—The Soviet Army—River Crossings**
Soviet training film, with dubbed English narration, depicting Soviet river crossing techniques—Emphasis on flexibility, speed, and deception in river crossing operations (30 min—1955—Film Reference).

[C] 30-8407 **Intelligence in Amphibious Operations (U)**
(25 min—1955—Distribution limited to CFL's in CONUS; OS Exchanges and Service Schools of the Combat Arms).

30-8408 **Armies of the World—The Soviet Army—Reconnaissance**
Basic techniques of reconnaissance applied by Soviet Army in combat—Infantry reconnaissance during day and night operations—Soviet reconnaissance-in-force, showing how it is used to test enemy defenses and how it can expand to a full-fledged attack—Emphasis on employment of prescribed techniques (25 min—1955—Film Reference).

30-8409 **Armies of the World—The Soviet Army—Use of Smoke**
A Soviet training film, with dubbed English commentary, explaining the application of smoke in combat operations by the Soviet Army—Typical situation where smoke is used for purposes of deception and concealment (19 min—1955—Film Reference).

30-8423 **Armies of the World—The Soviet Army—Artillery**
Characteristics and use of major Soviet artillery weapons, showing mortars, guns, antitank weapons, AA weapons, howitzers, and captured German weapons—History and development of weapons for use in combat—Comparison with American models—Continued research, development, and production of weapons (25 min—1955—Film Reference).

30-8427 **Armies of the World—The Soviet Army—Armor**
History and development of Soviet armor showing early and advanced models—Characteristics and tactical uses of Soviet armored vehicles—Research and development toward greater mobility and range of Soviet mechanized equipment (25 min—1955—Film Reference).

30-8432 **Armies of the World—Soviet Partners in the Orient**
A Soviet training film with dubbed English commentary describing how communism came to dominate the Orient and her people—Political history of China since 1911—Showing how internal disharmony and Soviet sponsorship molded the Red

MF No.

China of today and how Soviet influences are reflected in North Korea and Indo-China (25 min—1955—Distribution in CONUS and overseas—Film Reference).

30–8439 **Armies of the World—The Soviet Army—Camouflage**

Camouflage of men and equipment in wooded areas, on the desert, during winter operations, in rear areas, and at the main line of resistance (19 min—1956—Film Reference).

30–8443 **Armies of the World—Soviet European Satellites**

Background of events that led to Soviet domination over her European satellites—Use of Soviet propaganda and deception—How political capitulation effected national economic, social, and military aspects—Current trend in satellite countries toward eventual active resistance for national freedom (33 min—1955—Film Reference).

30–8588 **Armies of the World—Soviet Army Higher Headquarters in Combat**

Development and capabilities of Soviet Military high Command in late 1930's, WW II, and post war to present command structure and doctrine (40 min—1956—Film Reference).

30–8616 **Armies of the World—Soviet Partisan Warfare**

Growth and development of partisan organization—Activity in WW II—Expansion after WW II—Role in Korea, Tibet, and Indo-China (34 min—1956—Film Reference).

30–8656 **Strategic Intelligence School—Area Film Studies—Number 1—USSR**

A study of the geography, ethnic groups, social, economic, and political aspects—Evaluation of USSR strengths and weaknesses (26 min—1956—Film Reference).

[O] 30–8657 **Strategic Intelligence School Area Film Studies—Number 2—Far East**

Study of China, Japan, Korea, and Taiwan—Their political significance on the international scene (30 min—1956—Film Reference).

30–8706 **The Case of Comrade "T"**

Experiences of a Communist agent in several industrial plants—Stress on awareness of security by individual worker (23 min—1956—Color—Commercial Adaptation—Distribution to central film and equipment exchanges in CONUS).

31–7724 **Exercise Sweetbriar**

Combined American and Canadian defense tactics against "aggressor" invaders of Alaska and Canada—Aggressors routed, forced to abandon attack, and driven off continent—Advantages of using air power for logistics, tactics, and strategy in cold weather operations (29 min—1950).

31–7727 **Hit the Beach**

Operation MIKI—Visualization of Joint Army-Navy maneuvers in Pacific—Preparation and subsequent landings—Operation MIKI (Hawaiian translation for readiness)—Landing men and equipment—Necessity of high-level planning (18 min—1950).

MF No.

31-7977 **Winter Movement on Skis**

Winter movement techniques for combat soldiers on skis—When and how to effect the three types of movements—Position of rifle during the movements—Individual protection against cold (18 min—1953).

31-7978 **Firing Positions in the Winter**

How the combat soldier on skis assumes the prone, kneeling, and standing ready positions for firing—Methods of providing for cover—Typical trenches for various positions—Camouflage—Rifle support—Adequate protection (13 min—1953).

31-8290 **Exercise Ski Jump**

Cold weather operations, in north temperate, subarctic regions, of a tactical unit—Equipment and techniques for personal and tactical survival—Survival in mountain operations (25 min—1954).

33-7914 **Psychological Warfare—A Combat Weapon in Korea**

Techniques and objectives of psychological warfare—Prominent role in Korea—Strategic propaganda a tactical science—Phases of army psychological propaganda program—Schools indoctrinate personnel in nature, methods, and techniques—Invaluable support to fighting strength of combat troops (17 min—1953).

33-8204 **Photolithography—I—How to Make a Good Impression**

Three major methods of printing (lithography, letterpress, and gravure)—Emphasis on offset lithography process—Details of duplicating black and white and color originals by means of direct and photo offset lithography (25 min—1955—Color—Commercial Adaptation).

33-8205 **Photolithography—II—A Better Run For Your Money**

Effectiveness of printed advertising and its salesmanship value—Advantages of offset lithography over other forms of printing in advertising (20 min—1955—Color—Commercial Adaptation).

35-7858 **No Greater Heritage**

Morale and the fine heritage of the Women's Army Corps (21 min—1951).

38-7917 **Yuma Test Station Facilities**

Showing the important role this Arizona station plays in the research and development program—Many branches of the Army test men, equipment, and operations here under typical desert conditions (17 min—1953—Color).

38-7928 **Fireball Phenomena at Bikini**

Depicting, by use of animation, the physical and chemical characteristics of the air burst at Bikini (5 min—1953).

38-7951 **Design for Survival**

Conservation of raw materials in designing, planning, manufacturing, and purchasing military equipment—To prevent shortages and subsequent production cutbacks these suggested conservation methods should be employed: keep design simple; avoid overdesign; maintain standardization; use alternate materials; maintain equipment; collect and use scrap materials (23 min—1953—Film Reference).

MF No.

38–8007 **Quality Control Through Statistical Methods—Process Control**

Precision roller bearings used as an example of quality control through statistical methods—Measurement of several roller bearings from each batch of 100—Then segregation into groups according to amount of tolerance from the exact size plus or minus—Quantities then plotted on graph to indicate whether finished product being turned out falls within acceptable quality standards—Typical steps taken to improve quality standards where necessary—Steps taken to increase quantity if quality standards are higher than necessary at the expense of quantity—Steady efficient production in accordance with specifications assured by statistical quality control measures (13 min—1952—From Navy Film MN 6621–A).

38–8008 **Quality Control Through Statistical Methods—Acceptance Sampling**

Statistical quality-sampling methods for products and materials procured by armed forces contractors—Cheapness and efficiency of acceptance sampling—Plotting of results of sampling tests on operating characteristic curve which serves to predict the magnitude and frequency of variations from specification standards—Sequential sampling technique (17 min—1952—From Navy Film MN 6621–B).

38–8441 **Peelable Plastic Packaging**

Characteristics and uses of butyrate peelable plastic material in packaging and storage of critical parts—Manual and mechanical methods of application (15 min—1955).

38–8512 **The Engineered Performance Standards Program**

Purpose—How it works—Effectiveness—Specialized training course for work analysts—On-the-job experience—Assignments to study specific work operations—EPS Program in effect (16 min—1955—Distribution limited to film libraries servicing Signal Corps agencies specified by OCSigO—From Navy Film MN 7837).

38–8554 **The Army Program System**

General concept and fundamentals of the Army Program System—Need, responsibilities, primary programs and their use—Three elements of the system (development, execution, and review and analysis) (13 min—1955—Film Reference—Distribution in CONUS and overseas).

38–8555 **The Army Program System—Development "Planning What to Do"**

Channels and procedures in the development phase of programming—Actions taken after assignment of mission to the Army—Establishment of required programs—Preparation of program documents and their use at major commands (13 min—1955—Film Reference—Distribution in CONUS and overseas).

38-8556 **The Army Program System—Execution "Doing the Job"**

Procedures used to carry out jobs outlined in program development—Setting up and time-phasing of summary and operating

MF No.	
	schedules for programs at command level—Securing resources—Responsibilities of lower commands (11 min—1955—Film Reference—Distribution in CONUS and overseas).
38–8557	**The Army Program System—Review and Analysis "Checking on the Results"** Explanation of review and analysis flow—Methods of analysis—Examples of an analysis of quantity, quality, economy, efficiency, and substandard work—Summary and analysis—Use of results (10 min—1955—Film Reference—Distribution in CONUS and overseas).
40–926	**Price of Rendova** Combat operations in Rendova by American troops—Establishing beachhead—Invading jungle—Japanese dive bombers in a counterattack (11 min—1944—Instructor's Notes).
40–1008	**War Department Report** Report on the Army in WW II, as of 1944 (47 min—1944—Film Reference).
40–1009	**Battle of Midway** Activities at and around Midway Island just before, during, and after the Battle of Midway (20 min—1943—Color).
40–1041	**Attack—The Battle for New Britain** Attacks on Arawe and Cape Gloucester on New Britain—From plan of attack to final victory (47 min—1944).
40–1043	**The Eve of Battle** Activity on D-day-minus 1—Eve before forces of US hit beaches of Normandy (20 min—1944—Withdrawn from oversea commands—From British Film BC 7559).
40–1128	**Action at Anguar** Story of the 81st Infantry Division (27 min—1945).
40–1211	**True Glory** Invasion of Europe and victory over Nazis—Entire operation (83 min—1945—Withdrawn from all types of public exhibition).
40–1212	**Fury in the Pacific** Amphibious assault of American troops in the Battles of Peleliu and Anguar (20 min—1945—From Navy Film MN 9045).
40–1336	**Air Siege** Air attacks on Ploesti oil fields by the 15th Air Force—Demolition of refineries by 19 August 1944 (21 min—1947—From Air Force Film SFP 175).
40–7534	**The Last Bomb** Bomber and fighter operations in Far Eastern area—Dropping first atomic bomb (21 min—1949—Color—From Air Force Film SFP 193).
40–7884	**United Nations Campaign in Northeast Korea** Relating progress of UN forces after their liberation of Seoul—Amphibious landings at Wonsan and Iwon—Capture of Pyongyang—UN forces weakened—Abandonment cf Hungnam, largest amphibious evacuation in military history, completed on Christmas Eve, 1950 (25 min—1952—Distribution limited to ZI).

MF No.	
44–8247	**The Skysweeper—Emplacement and March Order** Medum range AA gun mounted on bogies and towed by a prime mover—Nine-man gun section demonstrates the nine steps for emplacement of weapon and the nine steps for march order (14 min—1954).
[C] 44–8263	**Guided Missiles of the Armed Forces (U)** (14 min—1954—Color—Distribution limited to CFL's in CONUS—From Navy Film MN 9191-C).
44–8406	**Visual Problems Induced by Supersonic Speeds** Discussion of complexity of visual problems of ground observers and pilots in relation to aeromedical, engineering and tactical aspects—Factors affecting observation and identification of supersonic aircraft by ground observers and pilots—Application of electronic devices, such as radar, in solving observer's problem—Future role of such devices is stressed (47 min—1955—Color—Distribution limited to one print for each central film library and exchange in CONUS and overseas).
45–1278	**Hell for Leather** History of the 1st Cavalry Division—Horses used in combat until 1943—Hardships of jungle fighting—First to enter Leyte and then Tokyo (9 min—1946).
45–1279	**The Fighting First (Pride of Outfit Film)** The 1st Infantry Division's eight campaigns and three invasions during WW II—Combat operations during these engagements—Attacks and counterattacks on foot, in trucks, and in assault boats (13 min—1946).
45–1295	**Operation Thunderbolt** Picked men trained for highly coordinated unit combining speed and striking power—The US constabulary forces—Purpose and methods of operation (14 min—1947).
45–7533	**Seventh Infantry Division(Pride of Outfit Film)** History of four major campaigns fought by 7th Infantry Division—Attu, Leyte, Kwajalein, and Okinawa—Early training in Calif—Occupation duties in Korea (23 min—1949).
45–7545	**The Inauguration of President Truman** Inauguration and highlights of inaugural address (18 min—1949).
45–7552	**Pass in Review** Events in airborne, amphibious, and cold weather training—European and Pacific occupation—Army athletic events—Army news events—Recent technical developments—Strength in manpower and armament of infantry division—Need to maintain a strong Army, Navy, and Air Force (11 min—1949).
45–7561	**Made in Occupied Japan** Revival of pottery industry in Japan—Processes involved in pottery making—Molding, shaping, baking, decorating, and packing (14 min—1949).
45–7563	**Twelve Nations Sign North Atlantic Pact** Signing North Atlantic Pact—Speeches by former Secretary of State Acheson and former President Truman emphasize pur-

MF No.

pose and benefits of pact—Representatives of each of 12 nations sign pact and make statement (14 min—1949).

45–7591 **Assignment Germany**

Occupation soldier's job in Germany—Assignments for which men are best qualified—Rehabilitation of German business and industry—Re-establishing German democratic government and re-educating German people (14 min—1949).

45–7705 **The Famous Third Army**

General Patton's 3d Army advance into the heart of Germany —Strategy—Tactics—Air and logistical support (22 min—1950).

45–7726 **This is West Point**

Origin and mission of US Military Academy—Comprehensive view of life of cadet from time of entry to graduation (25 min—1951).

45–7744 **Edition Tokyo—A Story of the Press in Occupied Japan**

Importance of press in Japan today—Constitution of 1947—New concept of human freedom and personal dignity—Free, respected, and courageous press—Accumulation of news and photographs—Printing processes—Distribution—Similarity of Japanese newspaper techniques to our own (19 min—1950).

45–7761 **The First Forty Days**

Combat footage of first 40 days of operations in Korea (26 min—1950).

45–7805 **Hail Alma Mater**

Familiar views of US Military Academy (6 min—1951—Distribution limited to the ZI).

45–7814 **The 83d Infantry Division in Europe**

Omaha Beach landing—Relieving 101st Airborne—Fighting through hedgerows of Normandy—Taking St Malo—Surrender of 20,000 Germans in Loire Valley—Battle of the Bulge—Hurling back enemy in the Ardennes—Drive to Elbe River (20 min —1951).

45–7844 **The Story of MDAP**

Formation of the Atlantic Pact Alliance—Enactment of Mutual Defense Assistance Pact—Contributions by member nations (25 min—1951).

45–7912 **The Army ROTC, Learn Today, Lead Tomorrow**

ROTC Training advantages—Development of leadership qualities—Participation in civic duties (24 min—1952—Color—Distribution limited to ZI, Hawaii, Alaska, and Puerto Rico).

45–7925 **Alliance for Peace**

Background events that led to the formation of the North Atlantic Treaty Organization—NATO mission purposes (40 min —1952—Distribution limited to ZI).

45–7926 **Effective Utilization of Manpower in the US Army**

Problem of effective manpower utilization in the US Army—Scarcity of qualified military and civilian personnel emphasizes need for supervisors to utilize intelligently available manpower

MF No.

—Discussion of army program to combat shortage and to increase efficiency (23 min—1952).

45–7945 **Helicopter Special Delivery**

How the helicopter has added mobility to the infantry—How river crossings are accomplished with a helicopter company—Helicopter delivery of men, artillery, ammunition, and return loads of wounded (11 min—1953).

45–7947 **Operation Blue Jay**

Construction aspects of the giant airbase at Thule, Greenland, built with permission of the Danish government through the joint efforts of US armed forces' specialists and industrial experts (25 min—1953).

45–7950 **This is Your Army**

A comprehensive picture of worldwide activities and operations of responsibilities of army—Nature and structure—Traditions and spirit—Mission (79 min—1954—Color).

45–8198 **The Unseen Army**

Definition and documentation of duties and responsibilities of civilian workers in the Ordnance Corps (23 min—1954—Commercial Adaptation).

45–8288 **Adjustment to Military Life**

Adjustments a trainee is required to make in his transition from civilian to military life—Emphasis on physical and moral standards (18 min—1954—Film Reference).

45–8354 **Guided Missiles**

Developments in guided missiles—Principles of operation—Tactical use—Specialized training courses at Fort Bliss and at White Sands Proving Grounds—Brief history of development of the forerunner, the rocket (26 min—1954).

45–8355 **It's Your America**

An American soldier, during his combat career, realizes the greatness of his country and determines to assume his share of the responsibilities of good citizenship upon his return to civilian life (31 min—1954—Film Reference).

45–8438 **Letter from a Mother**

Report of an American Mother's feelings showing not only her deep affection for her son but an understanding of the role he must play in the defense of his country (10 min—1955).

45–8440 **The Soldier's Mission and Responsibilities**

Soldier's mission and responsibilities in defense of his country—Training and equipment offered him to meet the highest physical, moral, and mental standards to help prepare himself for battle (13 min—1955).

45–8521 **The Making of a West Pointer**

Origin and mission of US Military Academy—Its traditions and ceremonies—Comprehensive view of life of cadet from time of entry to graduation—Course of study—Recreational activities (40 min—1955—Color—Distribution in CONUS and overseas).

MF No.	
45-8562	**The Steel Ring (AA Defense of US)** Vulnerability of the US to sneak atomic attack—Radar and AAA defense centers composing the complicated defense perimeter known as the "Steel Ring"—Specially trained personnel operating the system (26 min—1955).
45-8568	**Concept for Victory—A Message to the Personnel of the US Army by General M. B. Ridgway** General M. B. Ridgway discusses the mission of the Army in war, the vital role of ground forces, and the importance of the ground fighting man (16 min—1955).
45-8573	**The Rack** Depicting, in story form, the problems related to the standards of conduct required of military personnel after capture by the enemy (60 min—1955—Distribution to central film libraries and exchanges in CONUS and overseas—Commercial Adaptation).
45-8575	**Field Training for ROTC** Intended for ROTC cadets who are about to attend six-week field training course at ROTC summer camps—Depicts life and training at a typical general military science ROTC camp at Fort Benning—Stress on development of quality of leadership (48 min—1956—Color—Film Reference).
45-8586	**The Role of the Army** Role and responsibilities of the US Army in defending the security of the nation (25 min—1955).
45-8589	**Men 17 to 18½—Your Future and the New Reserve Law** Designed to interest teen-age youths in joining Army Reserve—Defines provisions of new reserve Forces Act of 1955 (12 min—1955—Distribution in CONUS only).
45-8615	**Operation Noah** Work of engineers and other services in rehabilitation of Northeastern United States hit by flash floods in the Summer, 1955 (29 min—1956—Distribution in CONUS and overseas).
45-8652	**A Look At Your Army** A message from General Maxwell D. Taylor, Army Chief of Staff, on the vital role of the Army and the merits of an Army Career (12 min—1956).
45-8694	**Take 6** Designed to interest teen-age youths in joining the NG—Explains National Guard Military training under provision of new Reserve Forces Act of 1955 (11 min—1956).
45-8698	**Nike for the Defense of Your Community** Guided tour of typical NIKE installation in Upper Marlboro, Maryland—How it operates to defend the nation's capital (13 min—1956—Distribution to central film and equipment exchanges in CONUS and overseas for use by PIO's).
45-8709	**The Do It Yourself Peace** Narrated by John Daly—Develops the theme that strength in reserve is the foundation for peace (27 min—1956).
45-8710	**A Tale of 2,000 Cities** Narrated by Edward R. Murrow—Traces development of

MF No.	
	strong American Military Force since World War II—Develops theme of strength in reserve as power against Communism (25 min—1956).
45–8711	**Fire Power** Narrated by Edward R. Murrow—Develops the theme of preparedness with trained men and effective fire power as the strength required to maintain the peace (25 min—1956).
45–8712	**The Man in Two Places** Narrated by John Cameron Swayze—Develops the theme of strength in reserve as the power for peace (27 min—1956).
45–8713	**One If By Land** Narrated by Walter Cronkite—Theme of military preparedness in reserve as the power for peace and survival in case of atomic war (27 min—1956).
46–8358	**Land Based Helicopter Operations—Functions** Evaluation of the helicopter's versatility in direct tactical support of transportation of men and weapons, wire communication, rescue work, and evacuation of wounded (10 min—1954—From Navy Film MN 7411–A).
46–8359	**Land Based Helicopter Operations—Precautions** Capability and versatility of the helicopter in performing various missions—Emphasis on precautions that should be taken to safeguard plane, cargo, and personnel (11 min—1954—From Navy Film MN 7411–B).
46–8574	**Army Helicopters** History and use of helicopters in Army Aviation—Training of helicopter pilots at the Army Aviation School, Ft. Sill, Oklahoma (15 min—1955—Distribution to central film and equipment exchanges in CONUS and overseas—Commercial Adaptation).
54–1112	**Stock Control at War** Stock control as the most expeditious means of getting supplies—Delivering supplies where needed (20 min—1945).
54–1114	**C.O.D. Saipan** Loading supplies at Hawaii—Convoy voyage to battle area—Naval barrage and strafing at H-hour—Invasion of the island—Constant flow of vital supplies (23 min—1945).
55–1135	**Rolling to the Rhine** Importance of trucks in maintaining supply lines in Europe during WW II (9 min—1945).
55–1311	**Training Film for Amphibious Instruction** Amphibious techniques in combat taken from WW II Combat Bulletins (66 min—1947—Limited to ZI).
55–7948	**The Army Transportation Corps** History, responsibilities, training program, and current operations at ports of embarkation and in Europe and Korea (27 min—1953—Distribution limited to Class II TC Installations and central film libraries in CONUS).
55–7952	**Transportation Corps Operations—SUNAC** The 373d Transportation Port making final preparations for

MF No.

an impotant mission in support of North Atlantic Command in arctic area—Physical characteristics of docks and installations in Far North—Varied and ingenious cargo handling methods and field expedients (27 min—1953).

55–8044 **Navigation—Charts**

Meaning, advantages, and limitations of Mercator, gnomonic, and Lambert conformal projections (15 min—1952—From Navy Film MN 83–B).

55–8045 **Dead Reckoning**

Basic plan of Mark 3 board, animating a small-scale problem as it is worked out on the board—Plots in geographic position and solution of wind problem (20 min—1952—From Navy Film MN 83–G).

55–8046 **Navigation—Piloting (Surface)**

Importance of accurate piloting and use of bearing circle, compass repeater, and alidade in securing bearings (18 min—1952—From Navy Film MN 83–H).

55–8047 **Navigation—Fog Piloting**

Navigating the Savannah River from Hampton Roads to Philadelphia Navy Yard during heavy fog—Charting courses with positions judged by fathometers, radio directional bearings, and diaphone (23 min—1952—From Navy Film MN 83–V).

55–8048 **Rules of the Nautical Road—Halifax Incident**

How the *Halifax* disaster was caused by misinterpretation of a ship's whistle signal—International rules—Importance of taking bearings—Definition of selected nautical terms (26 min—1952—From Navy Film MN 202–A).

55–8049 **Rules of the Nautical Road—Meeting Steam Vessels**

Five examples of steam vessels meeting on high seas and inland waters—Proper whistle signals for each situation—How to figure the degree of turn of a vessel at various distances (17 min—1952—From Navy Film MN 202–K).

55–8050 **Rules of the Nautical Road—Overtaking Situation**

Whistle signals to be used on the high seas when overtaking and three examples of use—The whistle system for inland waters and four examples—Applications of rules for overtaking vessels in narrow channels (15 min—1952—From Navy Film MN 202–N).

55–8051 **Rules of the Nautical Road—Crossing Steam Vessels**

Definition of the term crossing—Examples of general rules for both international and inland waters – Use of whistle signals in crossing situations (15 min—1952—From Navy Film MN 202–R).

55–8052 **Aids to Navigation—How to Use Navigational Aids**

Use of nautical charts showing navigational aids—Identification of various symbols found on charts (7 min—1952—Color—From Navy Film MN 202–AC).

55–8053 **Navigation—Interpretation of Bearings, Single Lines of Position**

Reciprocal bearing—Celestial IOP's—Fixes—Intercept to-

MF No.

ward and away—Determining ground speed, wind direction, and velocity—Proper procedure for plotting a course (19 min—1952 —From Navy Film MN 507-C).

55-8150 **A Day in Court**

Pointing out that traffic safety is a problem of gravest importance to the nation—Responsibility of individual driver—A solution to the problem may be to change driver's habits and attitudes (32 min—1953—Distribution limited to CONUS—Commercial Adaptation).

55-8158 **Helicopter Orientation, Introduction to Rotary Wing Flight**

A brief history of the development of the helicopter—Varied uses in peacetime and wartime aviation—Aerodynamic principles of rotary-wing flight—Animation and live scenes show primary functions: vertical flight, horizontal flight, and directional control (28 min—1953—Distribution limited to CONUS—From Navy Film MN 7306-A).

55-8243 **Tractor Sled Operations (Icecap—II)**

Successful tests conducted by transportation corps in summer of 1953 to determine practicability of hauling heavy tonnages over the Greenland Icecap (10 min—1955—Color).

55-8244 **Railroad Freight Handling—Ichabod, the Man Without a Head**

Right and wrong methods of handling freight—Proper loading, unloading, and stowing can prevent damage, cost, and danger resulting from improper methods (15 min—1954—Color —Commercial Adaptation).

55-8245 **Icecap—II**

Successful test mission of the Army Transportation Corps expedition, 110 miles across the icecap of Greenland in 1953—Test of capabilities of men and equipment under arctic conditions (28 min—1954).

55-8411 **Shipbuilding Safety—Rigging: Making a Safe Lift**

Three basic steps for making a safe lift: make a safe plan, use safe gear, use gear safely—A safe lift eliminates danger in shipyards during rigging operations (20 min—1955—From Navy Film MN 7486-B).

55-8412 **Shipbuilding Safety—Rigging: Maintenance and Care of Gear**

Three rules for proper care and maintenance of rigging gear: handle gear correctly, overhaul gear thoroughly, test gear regularly (19 min—1955—From Navy Film MN 7486-C).

55-8454 **Combat Loading—Pt II—Indian Joe**

Scenes of beachhead at IWO showing importance of smooth flow of supplies in landing operation-problem of combat loading a Marine Division for landing operation (4 min—1955—Color —Distribution to central film and equipment exchanges in CONUS and Transportation Command—From Marine Film No. MH 5343B).

MF No.

55–8455 **Amphibious Warfare—Handling the Landing Craft**

Shows how LCM–3's LCP's and LCV's are launched from a transport, loaded alongside, and stowed aboard ship (15 min—1955—Distribution to central film and equipment exchanges in CONUS and Transportation Command—From Navy Film MN-942D).

55–8456 **The LST—Employment**

LST employment, combat loading, loading cargo, transportation, and discharge of LVT's and DUKW's, Transport QM's duties (19 min—1956—Distribution to central film and equipment exchanges in CONUS and Transportation Command—From Navy Film MN 4302B).

55–8457 **Amphibious Ships, Crafts, and Vehicles**

This film describes numerous types of landing craft, amphibious vehicles and control ships and their salient features (21 min—1955—Distribution to central film and equipment exchanges in CONUS and Transportation Command—From Marine Film MH 7483).

55–8458 **Amphibious Warfare, the LCVP—Pt II—Boat Handling**

Demonstration of equipment checks, before starting engine checks, and gear checks are demonstrated—All phases of boat handling and securing are explained (19 min—1955—Distribution to central film and equipment exchanges in CONUS and Transportation Command—From Navy Film MN 4306B).

55–8459 **Amphibious Warfare, the LCM (3) Operation**

Describes primary and advanced boat handling—Use of ramp in emergency and anchor—Unloading of a boat from ship (21 min—1955—Distribution to central film and equipment exchanges in CONUS and Transportation Command—From Navy Film MN 4307B).

55–8460 **Lookout Training—Your Importance**

Explanation of Lookout's duties, stressing importance of constant vigilance and immediate report (contact first, then follow up) (4 min—1955—Distribution to central film and equipment exchanges in CONUS and Transportation Command—From Navy Film MN 16N).

55–8461 **Lookout Training—Bearings**

Procedure for determining relative bearings from line of ships course is discussed and demonstrated with models—Explains correct terminology (4 min—1955—Distribution to central film and equipment exchanges in CONUS and Transportation Command—From Navy Film MN 16R).

55–8462 **Lookout Training—Lookout**

Sky, horizon and surface, search—Estimation of relative bearing and position angle—Care of binoculars (23 min—1955—Distribution to central film and equipment exchanges in CONUS and Transportation Command—From Navy Film MN 16U).

55–8463 **Navigation—The Earth**

Poles, great circles, parallels, meridians, longitude, latitude, nautical mile and departure (20 min—1955—Distribution to

MF No.

central film and equipment exchanges in CONUS and Transportation Command—From Navy Film MN 83A).

55–8464 **Navigation—Nautical Astronomy**

By animation shows how the celestial coordinates are placed in relation to earth—Describes use of declination, zenith point, nadir line, etc (18 min—1955—Distribution to central film and equipment exchanges in CONUS and Transportation Command —From Navy Film MN 83C).

55–8465 **The Gyro Compass—Principles of the Gyroscope**

Principles of Gyroscope—Shows 3 degrees of freedom of Gyroscope—Further study of precision, rigidity, and apparent rotation (10 min—1955—Distribution to central film and equipment exchange in CONUS and Transportation Command—From Navy Film MN 1792A).

55–8466 **The Gyro Compass—The Gyroscope and the Earth's Rotation**

How a simple gyroscope becomes a gyro compass—Principles of rigidity and precision, and apparent rotation and gravity (10 min—1955—Distribution to central film and equipment exchanges in CONUS and Transportation Command—From Navy Film MN 1792B).

55–8467 **The Gyro Compass—The Gyroscope and Gravitation**

Theory and operation of Pendulous and Mercury ballistic type compasses—Effect of gravity upon gyroscope (12 min—1955—Distribution to central film and equipment exchanges in CONUS and Transportation Command—From Navy Film MN 1792C).

55–8468 **The Gyro Compass—The Gyro Becomes A Compass**

Why gyro turns toward meridian—How its motion is damped —How it is kept on meridian (15 min—1955—Distribution to central film and equipment exchanges in CONUS and Transportation Command—From Navy Film MN 1792D).

55–8469 **The Gyro Compass—The Compass Systems**

Five major assemblies of a Sperry Mark 14 Gyro compass—Operation of follow-up and repeater system (16 min—1955—Distribution to central film and equipment exchanges in CONUS and Transportation Command—From Navy Film MN 1792E).

55–8470 **Officer of the Deck—At Sea—Pt I**

For Officer indoctrinees and Midshipmen information—Routine and unusual incidents e.g.—Man overboard and near-collison (26 min—1955—Distribution to central film and equipment exchanges in CONUS and Transportation Command—From Navy Film MN 3212A).

55–8472 **USS *Franklin***

Bombing and explosion of USS *Franklin* primarily for purpose of construction activities, factual data is given for design and action (20 min—1955—Distribution to central film and equipment exchanges in CONUS and Transportation Command —From Navy Film MN 5879A).

55–8474 **Damage Control—Investigation to Damage**

Shows damage control organization and emphasizes impor-

MF No.

tance of careful investigation and reporting (18 min—1955—Color—Distribution to central film and equipment exchanges in CONUS and Transportation Command—From Navy Film MN 4902D).

55–8475 **Damage Control—Elements of Stability in Ships**

Employs miniature hull in glass tank filled with water to explain principle of buoyancy and gravity—Effects of loading on stability—Period of roll of ship (37 min—1955—Distribution to central film and equipment exchanges in CONUS and Transportation Command—From Navy Film MN 61F).

55–8477 **Painting Ships and Boats**

Demonstrates technique of handling paint: opening, mixing, stirring, boxing, dipping, laying-on, and laying-off paint (9 min—1955—Distribution to central film and equipment exchanges in CONUS and Transportation Command—From Navy Film MN 76C).

55–8478 **Painting Ships Bottoms—Sandblasting**

Continuous or intermittent sandblast equipment, how it is set up and used, and how operator is clothed during operation (10 min—1956—Color—Distribution to central film and equipment exchanges in CONUS and Transportation Command—From Navy Film MN 2528A).

55–8479 **Painting Ships Bottoms—Hot and Cold Plastic Anti-fouling Paint**

Discusses and illustrates: painting ships bottoms with hot and cold plastic anti-fouling paints—Good conditions for painting—Preparation of paint and safety (10 min—1955—Distribution to central film and equipment exchanges in CONUS and Transportation Command—From Navy film MN 2528B).

55–8480 **Towing at Sea**

Shows use of towing chain, wire rope, manila messenger, shot line—Approach of towing ship, passing of line, taking in tow and retrieving (11 min—1955—Distribution to central film and equipment exchanges in CONUS and Transportation Command—From Navy Film MN 1376).

55–8481 **Handling a Lifeboat Under Oars—Bowing—Part I**

Shows proper wrist and body movements in rowing—Points out four phases of a complete stroke (12 min—1955—Distribution to central film and equipment exchanges in CONUS and Transportation Command—From Coast Guard Film MG 2160A).

55–8482 **Handling a Lifeboat Under Oars—Commands—Part II**

Explains commands pertinent to handling lifeboats under oars—Shows proper stance for coxswain and men (10 min—1955—Distribution to central film and equipment exchanges in CONUS and Transportation Command—From Coast Guard Film MG 2160B).

55–8483 **Shipbuilding Skills—Nomenclature of Ship's Fundamentals**

Shows elementary ship's directory—Explains base, center,

MF No.

water, buttock, and frame lines—Study of ship's structure (20 min—1955—Distribution to central film and equipment exchanges in CONUS and Transportation Command—From Navy Film MN 2334A).

55–8484 **Shipbuilding Skills—Ship's Blueprints Basic**

Explains and illustrates steel structural elements used in shipbuilding—Shows how they are depicted on a blueprint (21 min —1955—Distribution to central film and equipment exchanges in CONUS and Transportation Commands—From Navy Film MN 2335A).

55–8486 **Shipbuilding Skills—Shipfitter—Simple Foundation—Part II**

Shows how layout man develops job from the templates—Use of shears, burning torch, cold press and punch (16 min—1955—Distribution to central film and equipment exchanges in CONUS and Transportation Command—From Navy Film MN 2338C).

55–8487 **Shipbuilding Skills—Coppersmith—Flaring and Reducing**

Flaring and reducing tubing—Annealing, bumping, cleaning and finishing—Shaping of copper plates (by hand methods) (18 min—1955—Distribution to central film and equipment exchanges in CONUS and Transportation Commands—From Navy Film MN 2346A).

55–8488 **Shipbuilding Skills—Blacksmith—Calculating and Bending Rings and Links**

Linear calculation of stock—Forming of rings and links—Forge welding—Use of hand tools (21 min—1955—Distribution to central film and equipment exchanges in CONUS and Transportation Commands—From Navy Film MS 2350A).

55–8489 **Safety in Navy Yards**

Danger in not wearing safety apparel, safety rules for traffic, lifting, welding, etc (16 min—1955—Distribution to central film and equipment exchanges in CONUS and Transportation Command—From Navy Film MN 1921A).

55–8523 **Sheet Metal—Hand Method of Forming**

Metal bumping on stakes, dollies, sand bag, bumping mould, and bending block (20 min—1955—From Navy Film MN 26).

55–8524 **Rotary Machines**

Operation and care—How to bead, flange, and crimp sheet metals (20 min—1955—From Navy Film MN 27).

55–8525 **Machine Methods of Forming Sheet Metal**

How to curve sheet metal and shape curved parts (20 min—1955—From Navy Film MN 28).

55–8526 **Bar Folder**

Adjustments and parts—Use in making flanges and hems (10 min—1955—From Navy Film MN 29).

55–8527 **The Diesel Engine—Scavenging and Supercharging**

Operation of 2-stroke cycle, single and double acting engines and opposed engine—Scavenging and supercharging air (16 min —1955—From Navy Film MN 42B).

MF No.	
55-8528	**Diesel Engine Governors—GM Series 71** Operation of main governor assembly—Action through low, intermediate, and high speed ranges (12 min—1955—From Navy Film MN 44B).
55-8529	**Diesel Lubrication and Cooling Systems—GM 71 Series** How oil courses through and lubricates each component part —Action of ventilation system (12 min—1955—From Navy Film MN 45B).
55-8530	**Diesel Engine Fuel Systems** Basic structure—Operation of injectors and fuel pumps—Examination of air injector, Bosch, GM and Excello equipment (39 min—1955—From Navy Film MN 46A).
55-8531	**Cooper Bessemer Diesel Engine Fuel Injection Systems** Operation of fuel injection system—Examination of fuel pump—Fuel delivery and pressure (14 min—1955—Distribution to central film and equipment exchanges in CONUS and Transportation Command—From Navy Film MN 46-B).
55-8532	**Progressive Maintenance Diesel Propulsion Engine** Disassembly of main bearing, inspection and cleaning of bearing shells—Reassembly of bearing (17 min—1956—Distribution to central film and equipment exchanges in CONUS and Transportation Command—From Navy Film MN 209D).
55-8533	**Gray Marine Diesel Goes to War** Twenty-two step procedure for starting new engine or after an inactive period of a week (14 min—1955—Distribution to central film and equipment exchanges in CONUS and Transportation Command—Commercial Adaptation).
55-8534	**Gray Marine Diesel Goes to War—Service and Maintenance** Service and maintenance after 10, 20, 50, 150, 250, and 1,000 hours of continuous running (25 min—1955—Distribution to central film and equipment exchanges in CONUS and Transportation Command—Commercial Adaptation).
55-8535	**Gray Marine Diesel—GM Unit Injector—Removal and Replacement** Removal of defective injector—Replacement with spare—Timing and equalizing (12 min—1955—Distribution to central film and equipment exchanges in CONUS and Transportation Command—Commercial Adaptation).
55-8536	**Gray Marine Diesel—GM Unit Injector—Cleaning and Repairing** Disassembly, cleaning, inspecting, and repair of injector and check valve, popping injector test (25 min—1955—Distribution to central film and equipment exchanges in CONUS and Transportation Command—Commercial Adaptation).
55-8537	**Making a Wire Template** Full-scale drawing and procedures for bending template (19 min—1955—From Navy Film MN 2337-B).
55-8538	**Making a Hot Bend** Complete process, from selecting pipe and packing with sand,

MF No.

to heating and bending (19 min—1955—From Navy Film MN 2337C).

55–8539 **General Motors Diesel Engine Unit Injector—Maintenance**

Disassembly, cleaning, and inspection of parts—Lapping of check valves (18 min—1955—Distribution to central film and equipment exchanges in CONUS and Transportation Command —From Navy Film MN 2769A).

55–8540 **General Motors Diesel Engine Unit Injectors—Disassembly and Assembly Model 278**

Disassembly and reassembly procedures—Timing of rack—Testing assembled injector (18 min—1955—Distribution to central film and equipment exchanges in CONUS and Transportation Command—From Navy Film MN 2769B).

55–8541 **General Motors 16–278A Diesel Engine—Disassembly**

Inspection of blower rotors and pistons - Removal of heads of wear ridge, connecting rod bearing—Pulling of piston (35 min —1955—Distribution to central film and equipment exchanges in CONUS and Transportation Command—From Navy Film MN 3707A).

55–8542 **General Motors 16–278A Diesel Engine—Bearings**

Removal of main bearing—Inspection, "miking," and installation of bearing shells (10 min—1955—Distribution to central film and equipment exchanges in CONUS and Transportation Command—From Navy Film MN 3707B).

55–8543 **General Motors 16–278A Diesel Engine—Part I—Reassembly**

Installation of liner, piston assembly, cylinder head and rocker level assembly (22 min—1955—Distribution to central film and equipment exchanges in CONUS and Transportation Command —From Navy Film MN 3707C).

55–8544 **General Motors 16–278A Diesel Engine—Part II—Reassembly—Head**

Installation of injector and controls, valve bridges and rocker shaft—Assembly and timing of injector and exhaust (26 min—1955—Distribution to central film and equipment exchanges in CONUS and Transportation Command—From Navy Film MN 3707D).

55–8545 **General Motors 16–278A Diesel Engine—Part I—Bench Work**

Removal of valves, over speed trip assembly, transfer block and check valve (12 min—1955—Distribution to central film and equipment exchanges in CONUS and Transportation Command —From Navy Film MN 3707E).

55–8546 **General Motors 16–278A Diesel Engine—Part II—Bench Work**

Cleaning and inspecting head—"Miking" guides and valves—Resurfacing and lapping valves (19 min—1955—Distribution to central film and equipment exchanges in CONUS and Transportation Command—From Navy Film MN 3707F).

MF No.	
55–8547	**General Motors 16–278A Diesel Engine—Part III—Bench Work** Installation of valves, over speed trip, transfer block—Testing valve and relief valve assembly—Starting air check valve (12 min—1955—Distribution to central film and equipment exchanges in CONUS and Transportation Command—From Navy Film MN 3707G).
55–8548	**General Motors 16–278A Diesel Engine—Part IV—Bench Work** Disassembly of piston—Inspection and miking of piston components—Checking ring clearance—Reassembly of piston and rod and inspection—Miking of liner (26 min—1956—Distribution to central film and equipment exchanges in CONUS and Transportation Command—From Navy Film MN 3707H).
55–8549	**Servicing the Zero Lash Valve Adjusters in Diesel Engines** Operation, maintenance, and repair of valve (37 min—1955—Distribution to central film and equipment exchanges in CONUS and Transportation Command—Commercial Adaptation).
55–8576	**Aircraft Engines—Elements of Electricity as Applied to Ignition Systems** Elements of electricity and magnetism—Application to ignition systems (28 min—1955—Distribution primarily to central film libraries in CONUS—From Air Force Film AFTF 1–136).
55–8577	**Aircraft Engines—Part 3—Carburetion** Various types of carburetor systems—Principles of operation with aircraft engines (36 min—1955—Distribution limited primarily to central film libraries in CONUS—From Air Force Film TF 1-137).
60–1323	**Operations Crossroads** Able and Baker navy tests of atomic bomb—Test Able shows effects of bomb dropped on fleet of warships in Bikini Lagoon—Test Baker shows effects of bomb exploded underwater (28 min—1947—Color—From Navy Film MN 5445).
[C] 60–8246	**Amphibious Instruction—Tank and Armored Amphibians (landing force) (U)** (24 min—1954—From Navy Film MN 6560–P).
61–1015	**It's Our Job** Proper supervision of employees (39 min—1944—Distribution limited to ZI—Commercial Adaptation).
61–1049	**Machine Transcription—Transcription Technique** Proper phrasing—Dictation at various speeds—Preparing for day's work, composing letters, and correcting mistakes (21 min—1944—Distribution to ZI—From Navy Film MN 1562–B).
61–1050	**Take a Letter, Please** Common faults of persons dictating—Dictating and use of the Ediphone and Dictaphone (22 min—1944—Distribution limited to ZI).
61–1093	**For Safety's Sake** Precautions while using portable power tools—Maintenance and care of the tools (15 min—1944—Commercial Adaptation).

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MF No.

61-1100 **Suggestion Power**

Improved efficiency in the war effort—"Ideas for Victory," War Department's suggestion program (18 min—1944).

61-1165 **Another Snowball Conference**

Wasting time in unplanned conferences (10 min—1945).

61-1206 **A New Supervisor Takes a Look At His Job**

Superintendent briefs new supervisor on his responsibilities (13 min—1945—From Office of Education Film No. 150).

61-1207 **Placing the Right Man On The Job**

Reassignment of job misfits to different jobs, resulting in happier workers and increased production (13 min—1945—From Office of Education Film No. 156).

61-1257 **Supervision—Dealing with Dissatisfied Employees**

Analyzing causes of discontent and adjusting difficulties—Adopting proper attitude—Getting the story straight when dealing with a problem employee—Always being accessible—Taking quick action (14 min—1946—From Navy Film MN 3425-A).

61-1258 **Supervision—Budgeting Time and Effort**

Specific techniques used in budgeting time and effort—Checking work each morning—Definite inspection plans—Checking unfinished work at end of day—Training and orienting new employees—Delegating routine work—Budgeting time to allow for unforeseen emergencies (17 min—1946—From Navy Film MN 3425-B).

61-1259 **Supervision—Developing Cooperation**

Right and wrong ways of supervision—Cooperation among workers (15 min—1946—From Navy Film MN 3425-C).

61-1260 **Supervision—Building Morale**

Techniques in building and maintaining morale—Taking responsibility—Giving credit for new ideas and a job well done—Being loyal to management—Training men in their jobs and encouraging initiative—Considering new ideas and helping present them (11 min—1946—From Navy Film MN 3425-D).

61-1261 **Supervision—Creating Job Interest**

Creating interest in a job—Providing outlets for employee's ambition—Encouraging pride in the organization—Satisfying worker's desire to learn new things—Building interest in the job—Delegating responsibility (11 min—1946—From Navy Film MN 3425-E).

61-1432 **Maintaining Good Working Conditions**

Part played by supervisors in maintaining good working conditions—Examples of increased production and better satisfied workers as a result of such conditions (9 min—1951—From Office of Education Film No. 152).

61-7619 **Working With Other Supervisors**

Supervisors discuss one of their number who has been unable to work harmoniously with them (8 min—1951—From Office of Education Film No. 153).

MF No.	
61–7620	**Every Minute Counts** Absenteeism and tardiness as it affects a supervisor—Remedies (10 min—1951—From Office of Education Film No. 161).
61–7621	**The Supervisor as a Leader—Part I** Qualifications of a good supervisor (14 min—1951—From Office of Education Film No. 168).
61–7622	**The Supervisor As A Leader—Part II** Qualities of leadership (13 min—1951—From Office of Education Film No. 169).
61–7695	**Flow Process Chart and How to Use It** Efficiency of operating procedures, whether in a supply depot, on a production line, or in an administrative office, improved by use of flow process chart—Working up a flow process chart on several types of operations—Violations of operating efficiency—Corrective measures (15 min—1951—Color—Commercial Adaptation).
61–7764	**Planning and Laying Out Work** Necessity for careful planning before starting a job—Serious results of poor planning (10 min—1951—From US Office of Education Film No. 151).
61–7765	**Instructing The Worker on the Job** Proper and improper methods of instruction (14 min—1951—From US Office of Education Film No. 155).
61–7766	**Supervising Workers On The Job** Poor supervision practices contrasted with better methods (10 min—1951—From US Office of Education Film No. 157).
61–7767	**Supervising Women Workers** Problems of supervising women (11 min—1951—From US Office of Education Film No. 158).
61–7768	**Improving The Job** Suggestions for preventing waste (10 min—1951—From US Office of Education Film No. 163).
61–7769	**Maintaining Quality Standards** Nature of quality standards—Role of supervisor in maintaining quality as well as quantity (11 min—1951—From US Office of Education Film No. 164).
61–7771	**Safety in the Shop** Typical shop accidents—Poor supervision or inadequate training causes accidents—Supervisor's responsibility in teaching and maintaining safe practices in the shop (12 min—1951—From US Office of Education Film No. 481).
61–7772	**Introducing The New Worker To His Job** Proper induction methods (16 min—1951—From US Office of Education Film No. 154).
61–7775	**Maintaining Workers' Interest** Necessity for supervisor to detect and remedy situations where workers lose interest in their jobs (18 min—1951—From US Office of Education Film No. 159).

MF No.	
61–7993	**Motion Study Principles** Illustrating and discussing the 11 principles of motion economy in the performance of manual tasks (28 min—1953—Commercial Adaptation).
61–8043	**TVA Town** Reclamation of flood-ravaged Decatur, Alabama, through engineering accomplishments of Tennessee Valley Authority—Abundant electric power and cargo-transporting waterway facilities—Impetus to area growth (30 min—1952—Distribution limited to ZI—Commercial Adaptation).
61–8057	**The Inner Man Steps Out** Effiective human relations—Importance and development in all phases of life—Fundamentals of human behavior (33 min—1952—Distribution limited to ZI only—Commercial Adaptation).
61–8060	**Is Government Telling its Story** Pictorial record of Georgetown University Forum—Need for and purpose of a public relations campaign to educate the public concerning contributions of civil servants to nation's economy and way of life (30 min—1952—Distribution limited to ZI—Commercial Adaptation).
61–8403	**Personnel Management—Supervisory Conferences** Purpose of training programs (14 min—1954—Commercial Adaptation).
61–8404	**Personnel Management—Communications** Need for effective communication in industry (13 min—1954—Commercial Adaptation).
61–8413	**All I Need is a Conference** An industrial problem is solved by a conference of supervisors and managers—Functions of a conference leader and suggested techniques for conducting an effective meeting (30 min—1955—Commercial Adaptation).
61–8414	**The Fourth Man—The Civilian Behind the Soldier** Role played by civilians in the Army—Special positions held by civilians—Emphasis on the advantages of having civilians on the Army team (9 min—1955).
61–8659	**Commencement (Employment Nondiscrimination)** Promotes the theme of nondiscrimination in employment and how to carry out this policy in connection w/Executive Order 10590, 18 Jan 55 (26 min—1956—Distribution in CONUS—Commercial Adaptation).
80–1275	**The Ground Team—Designed for Victory** Achievements of infantry, artillery, and airborne troops during WW II (9 min—1945).
130–7553	**Winged Victory on Foot—43d Infantry Division** History of 43d (Winged Victory) Infantry Division from activation in 1941—Arrival in the Pacific in 1942—Three years of active combat (14 min—1949).
130–7554	**29—Let's Go—29th Infantry Division** History of 29th (Blue and Gray) Infantry Division—From

MF No.

training camp to Germany—Amphibious maneuvers in England—Battle at Normandy, St Lo, Brest, and Germany (20 min—1949).

130–7555 **The Red Bull Attacks—34th Infantry Division**

History of 34th Infantry Division traced back to Minnesota Volunteers of Civil War days—Record on the battlefields in WW's I and II—Invasion of Casablanca, 1942, Battle of Tunis, Kasserine Pass—Invasion of Salerno, Volturno River operations, Battle of Cassino, Anzio Beachhead, and campaigns of Liri and Po Valleys (21 min—1950).

130–7585 **Work Horse of the Western Front—The 30th Infantry Division**

"Old Hickory" National Guard Division in WW I and WW II—In North Carolina and Tennessee, undergoing preparedness training (18 min—1950).

130–7722 **The Victory Division—24th Infantry Division**

Activities and accomplishments of 24th Infantry Division against Japan in WW II—Subsequent duty in Japan (19 min—1950).

130–7723 **The Big Wheel—35th Infantry Division**

History of the 35th Infantry Division (17 min—1950).

130–7730 **The Sunset Division—41st Infantry Division**

Highlights in the history of the 41st (Sunset) Infantry Division (13 min—1951).

130–7872 **Twenty-sixth Infantry Division**

Highlights of the history of the 26th Infantry Division (16 min—1952).

130–7929 **27th Infantry Division**

New York's Own, the 27th Infantry Division—Record from its inception in 1776 through WW II (20 min—1953).

130–7930 **32d Infantry Division**

The Red Arrow Division (Wisconsin National Guard) through the Civil War, Spanish American War, Mexican Border campaign, WW's I and II (18 min—1953).

130–7931 **36th Infantry Division**

The 36th Infantry Division formed in 1917 from Oklahoma and Texas National Guard units—Record of valor in WW's I and II (21 min—1953).

140–7800 **Man With Mission**

ORC—opportunity for men to better themselves—Preparation to serve their country in time of need (17 min—1950—Commercial Adaptation).

145–7743 **Army ROTC**

Film intended to win interest of high school seniors and college freshmen in ROTC—Full 4-year course—Advantages—Appointments at graduation as 2d lieutenants in ORC (18 min—1951).

51. No Release Number (NRN)

These films were released with neither prefix numbers nor category designations.

NRN

Psychological Warfare in Alaska
Showing psychological warfare activities in Alaska—Army's highly developed printing equipment and skilled personnel plan, write, and print leaflets—Leaflets disseminated by planes bearing special leaflet shells and bombs—Radio broadcasts calculated to weaken enemy resistance—Use of loudspeaker systems in combat areas—Psychological media gain military advantage (19 min—1953).

(Project 15611) **The Army's Corps of Engineers**
History of the development and early activities of the Corps—Responsibilities, training program, and current defense activities around the globe (15 min—1955).

52. Office of the Secretary of Defense Film

This film was produced to stress the integration of the armed forces with industry.

OSD No.

1 **Power for Peace**
Film stresses integration of combat efforts by each of the armed forces with our industrial might to produce the striking power of the nation—Marine Corps simulates an amphibious assault and helicopter troop tactics—At Eglin Air Force Base, Florida, climatic hanger, spectacular air show, and bombing demonstration—Army's Infantry School, Fort Benning, Georgia, demonstrates firepower and role of paratroopers and foot soldiers—Navy task force exercise with all types of aircraft, surface and submarine vessels (20 min—1950).

53. Officer's Conference Films (OC)

These films deal with world affairs and are intended for the use of Armed Forces and civilian reserve units. They can be utilized in officer's discussion group and conference programs.

OC No.

1 **Officer's Conference—Mr. George F. Kennan Discusses Soviet Objectives**
Tactical and strategic objectives of the Soviet Union discussed with students at the National War College of Washington (58 min—1955).

2 **Officer's Conference—Which Way for the Germans**
General Walter Bedell Smith discusses this subject with students at National War College, 22 Nov 1954—Brief review of the political problems surrounding the rearming of Germany, followed by a question-answer period (44 min—1955).

3 **Officer's Conference—What We Face in Southern Asia**
US Supreme Court Justice William O. Douglas discusses the

OC No.

political and economic problems which exist in Southern Asia and their significance to the US, followed by a question-answer period (42 min—1955).

4 **Officer's Conference—Red China and the United Nations**
US Ambassador to the UN, Henry Cabot Lodge, Jr., discusses changes that have transpired in the UN mission from 1945 to the present, and the problems concerning admission of Red China to the UN, followed by a question-answer period (30 min—1955).

5 **Officer's Conference Five—The Dilemma of the US Foreign Policy in the Middle East**
Assistant Secretary of State of Near East and Southern Asian Affairs, Mr. George B. Allen, discusses the geographical boundaries of the Middle East and South Asia, their political and strategic significance to the US, and the concept of the collective security program, followed by a question-answer period (40 min—1955).

7 **Communist Objectives in The Far East**
Mr. Walter S. Robertson discusses the Communist objectives in Asia and the US concern in curbing their expansion in that area (31 min—1956).

8 **Challenge of Outer Space**
Dr. Wernher Von Braun discusses the functioning of modern guided missile and the challenge presented by outer space in future development (61 min (2 reels)—1956).

9 **The New Face of The Soviets**
Dr. Philip E. Mosely discusses the political, economic, social, and military changes in Soviet policy (50 min—1956).

10 **Mission of the United States Marine Corps**
General Randolph McCall Pate, Commandant of the US Marine Corps, defines the mission and organization of the Corps (27 min—1956).

11 **Mission of the United States Navy**
Admiral Arleight Burke, Chief of Naval Operations, explains the role of the Navy in advancing our national security and supporting our allies (35 min—1956).

54. Orientation Films

Orientation films (OF) are designed to orient the individual soldier in national and international affairs, military affairs, and current events. They are intended for information and discussion purposes.

OF No.

11 **Here is Germany**
Nationalistic and militaristic forces within Germany which led her into a series of wars culminating in WW II (52 min—1945—Not authorized for use by induction centers, replacement training, centers, personnel replacement centers, transports, and oversea units).

16 **Know Your Ally—Britain**
American fighting man acquaints himself with his British ally—Clarifies and presents a true picture of nature of the British and their part in the war (42 min—1943).

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OF No.

17 **The Pale Horseman**

Famine and disease in postwar Europe (22 min—1946—Not authorized for use by induction centers, replacement training centers, personnel replacement centers, transports, and oversea units).

19 **Death Mills**

Victims of German concentration camp attrocities (22 min—1946—Not authorized for use by induction centers, replacement training centers, personnel replacement centers, transports, and oversea units).

23 **Report on Japan**

Damage in Tokyo—Desirability of Japanese participation in democratic procedure (19 min—1946).

24 **The Negro Soldier**

Role played by Negroes in WW II (21 min—1944—Short Version).

26 **This is the Philippines**

Pocket guide to the Philippines—People, customs, recent history—Close ties between America, American fighting men, and the Philippines—Transcription of last message to come out of Corregidor in 1942 (31 min—1945).

30 **San Francisco 1945**

Record of San Francisco conference on international organization, April to June 1945 (17 min—1947).

36 **Voices of the People**

Freedom of speech—Role of opinions in American history—Discussion of problems as important today as in past—Taxation without representation—British policing methods—Declaration of Independence and American Revolution—Congressional action on domestic and foreign affairs (18 min—1949).

37 **Germany—Handle With Care**

Germany, 1947 (18 min—1947).

40 **New France**

Political and economic adjustments of France since WW II (18 min—1947—Commercial Adaptation).

46 **Inside the Atom**

Canada's Chalk River Project—Experiment for medical and biological use—New frontiers of science—Fundamentals of chain reaction (9 min—1948).

48 **Citizen in Arms**

Role of citizen soldier in American history during peace and war (9 min—1948).

53 **American Anniversary**

Young immigrant discovers America—Rises to position of leadership in factory and community (15 min—1949—Commercial Adaptation).

54 **Active Peacetime Service**

Brief history of US Coast Guard through WW II—Peacetime responsibilities and activities—Air, sea, and flood rescue work—Iceberg patrolling—Inspection of cargo and passenger ships—Patrolling inland waterways, rivers, and harbors of US—Coast Guardsmen training—Advanced technical courses—US Coast Guard Academy at New London, Conn. (26 min—1949—From Coast Guard Film MG 6921).

OF No.

55 **Take time for Tomorrow**
Advantages of education—US Armed Forces Institute—Vocational and academic courses at all levels—Higher education in the service (14 min—1949—From Navy Film MN 6649).

55. Professional Medical Films

Professional medical films (PMF) deal with subjects that are primarily of interest to military medical personnel and allied scientific workers.

PMF No.

5000 **Preparation and Staining of Blood Slides**
Demonstration of laboratory equipment—Preparation of stains—Preparation of thick films for diagnosis of malaria (18 min—1947—Color—Film Reference).

5001 **Colostomy Closure (end-to-end Anastomosis)**
Surgical repair of left upper abdominal colostomy (13 min—1947).

5002 **Abdominal Colostomy Closure—Pauchet Method**
Case of well-functioning colostomy of double loop type located on left side in sigmoid colon—Method used to accomplish closure—Precautions (9 min—1947—Color).

5004 **Intra-abdominal Closure Descending Colon Colostomy (Herniations and Multiple Openings)**
Colostomy of descending colon midway between umbilicus and anterior iliac crest with four separate openings resulting from damage to exteriorized loop of bowel—Technique used to effect repair (15 min—1947—Color).

5005 **Simple Closure of an Abdominal Colostomy**
Incomplete colostomy of transverse color—Relatively simple closure procedure—Advantages of intraperitoneal approach (7 min—1947—Color).

5007 **Intra-abdominal Colostomy Closures (Right and Left Side)**
Series of right sided colostomy cases—Factors essential to adequate closure (9 min—1947—Color).

5008 **Management of Abdominal Colostomies (Intraperitoneal Closure)**
Experience record of cases encountered during WW II—Factors essential to evaluation of each type—Methods of approach (22 min—1947).

5009 **Operation for Varicocele**
Case of painful left varicocele involving anterior group of veins—Surgical treatment similar in principle to ligation of saphenous vein for varicosities of lower extremity—Technique (5 min—1947—Color).

5012 **Combat Exhaustion (Neuropsychiatry)**
Treatment of neuropsychiatric disorders (52 min—1945).

5013 **Caudal Analgesia**
(15 min—1945—Commercial Adaptation).

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PMF No.	
5015	**Convalescent Care and Rehabilitation of Patients with Injury to Spinal Cord (Surgery and Physical Medicine)** Diagnostic, surgical, nursing, and physical medicine techniques and practices (41 min—1946—Color).
5016	**Thoracic Surgery—Part I: Hemothorax with Consideration of Specific Remedial Breathing Exercises (Surgery and Physical Medicine)** Pathologic, diagnostic, and therapeutic aspects of hemothorax and other disorders of the pleura and pleural cavity (39 min—1946—Color).
5017	**Thoracic Surgery—Part II: Foreign Bodies in the Lung and Mediastinum** Problems associated with diagnosis, surgical planning, surgery, and postoperative care (28 min—1946—Color).
5018	**Thoracic Surgery—Part III: Foreign Bodies in the Pericardium and Heart** Diagnostic planning, surgical, and postoperative techniques (50 min—1946—Color).
5019	**Let There Be Light (Neuropsychiatry)** Use of narcosynthesis, hypnosis, and group psychotherapy (58 min—1946—Film Reference).
5020	**Removal of Magnetic Foreign Bodies from the Eye** Acceptable technique—Handling of detached retina case (14 min—1946—Color).
5026	**Complicated Amputations—Case Reports** Multiple amputations—Management—Developing prostheses (54 min—1946).
5027	**Schistosomiasis (Professional Technical Version)** Three types of schistosomiasis (snail fever)—Geographical habitat, epidemiology, symptomatology, and general control measures—Technical, clinical, and laboratory procedures for diagnosis and treatment of Schistosomiasis Japonica (27 min—1947—Color—Film Reference).
5028	**Sandfly Control** Symptoms, methods, and treatment of skin diseases transmitted by sandfly—Environmental sanitation principles essential to control (33 min—1947—Color—Film Reference).
5030	**The Preparation and Insertion of Tantalum Plate (Cranium Insert)** Preliminaries essential to preparation and placement of tantalum plate—Individual cases—Salient operational features (30 min—1946—Color—Film Reference).
5031	**Below Knee Amputation** Amputation method useful immediately after injury and in secondary repair of stump (14 min—1946—Color).
5032	**Radical Orchidectomy** Technique for surgical removal of testicle, following an injury, or for removal of malignancy (18 min—1946—Color).
5033	**Technique of Open Amputation** Procedure on below knee open amputation case—Revision and

PMF No.

final plastic repair performed six weeks later—Thorough explanation of each specific step throughout two operations (11 min—1946—Color).

5034 **Therapeutic Exercise—Introduction**

Use of planned therapeutic physical movement for specific purpose (17 min—1947—Film Reference).

5037 **Abnormal Involuntary Movements**

Activating and inhibitory influences on motor centers at various levels of nervous system—Involuntary movement caused by losing control of ability to relax after certain types of lesions (24 min—1947—Commercial Adaptation).

5039 **Disorders of Gait**

Coordination of motor power—Motor power from muscles controlled by peripheral nerves originating in spinal cord—Motor impulses from brain through pyramidal tract (27 min—1947—Commercial Adaptation).

5041 **Reflexes**

Reflex arc—Proprioceptive and exteroceptive reflexes—Various end organs—Sherrington's law of reciprocal inhibition—Clinical examination of standardized reflex patterns (26 min—1947—Commercial Adaptation).

5044 **Facial Palsy**

Anatomy of facial nerve—Detailed description of course of upper and lower neuron—Results of lesions in some characteristic sites—Treatment of facial palsy—Spasm during regeneration of facial palsy differentiated from tic twitchings of other etiology (22 min—1947—Commercial Adaptation).

5046 **Trigeminal, Spinal Accessory and Hypoglossal Nerve**

Anatomy, symptomatology, and clinical pictures of disorders (16 min—1947—Commercial Adaptation).

5047 **Shades of Grey**

Mental disorders which may be experienced during training and combat—Mild anxiety states—Obsessive-compulsive neuroses—Psychosomatic disorders—Severe depressive reactions—Paranoid psychoses (66 min—1948—Film Reference).

5048 **Arthropod-borne Virus Encephalitides**

Differential diagnostic measures—Diagnosis, treatment, and control of Japanese B. encephalitis—Proper approach to investigation of problem (34 min—1947).

5049 **Yaws**

Essential factors—Causative organism—Geographical distribution—Nonveneral status—Age groups involved— Predisposing factors—Modes of transmission—Stages and course of disease entity—Pathology, treatment, and prognosis (14 min—1947—Color).

5051 **Therapeutic Exercise—Orthopedics**

(28 min—1947).

5052 **To Hear Again**

General principles of rehabilitation for patients with impaired hearing (38 min—1947—Film Reference).

PMF No.	
5053	**Therapeutic Exercise—Peripheral Nerve Injuries** (16 min—1947).
5054	**Therapeutic Exercise—Tendon Transplants** (87 min—1947).
5056	**Therapeutic Exercise—Thoracic Surgery** Physical examination—Determining specific remedial activity—Characteristic deformities—Preoperative exercises—General surgical aspects—Postoperative treatment routine—Coughing—Posture—Progressive stages of exercises—Heat and ultraviolet—Measurements of range of motion—Overcoming a definite weakness or loss of function—Heavy resistance phase (29 min—1947).
5057	**Surgery in Chest Disease** Case of pulmonary carcinoma necessitating removal of lung—All stages of diagnosis, operation, and postoperative treatment (42 min—1947).
5058	**The Medical Effects of the Atomic Bomb—Part I:** Physics—Physical Destruction—Casualty Effects Nuclear fission and general reaction—Thermal energy and mechanical force—Nuclear radiation and ionizing effect—Physical destruction—Casualty effects (32 min—1950—Color).
5059	**Dynamic Physical Reconditioning** (13 min—1948).
5061	**Peripheral Nerve Surgery—Part I: Sciatic nerve** Management of typical peripheral nerve injury case of WW II—Follow-up treatment at neurosurgical centers of Veterans Administration (33 min—1947—Color).
5062	**Cineplastic Operation** Attaching cords to selected muscle and then to prosthetic appliance so that patient can operate applicance by contracting muscles in amputation stub (18 min—1947—Color).
5063	**Anterior Acrylic Bridgework** Fitting dental bridges in which acrylic is used to replace porcelain—Procedures and techniques (39 min—1946—Color—From Navy Film MN 5352A, B & C).
5064	**Vagotomy of Duodenal Ulcer** Preoperative, surgical, and postoperative phases of vagotomy—Surgical program in cases of duodenal ulcer difficult or impossible to control under medical regime (14 min—1947).
5065	**Management and Technique of Pulmonary Lobectomy** Bronchiectasis of left lower lobe of lungs—Extirpation of diseased lung tissue (31 min—1947—Color).
5066	**An Electrodiagnostic Procedure** Use of Golseth-Fizzell constant current stimulator as one method of determining neurological state of muscle in peripheral nerve injuries and other neuropathologies—Characteristics—Mechanical operating procedures—Application of technique to clinical cases (21 min—1947—Color).
5067	**Electromyographic Procedure** Method of electromyographic testing—Recording equipment

PMF No.

—Insertion of needle electrode into atrophic muscle—Samples of recordings (7 min—1947—Color).

5068 **Repair of Recto-urethral Fistula**

Case of injury to large and small bowel, bladder, urethra, and rectum caused by bullet wounds—Exploratory laparotomy scar, cystostomy, colostomy, and abdominal fistula wounds – Closure of complete fistula by use of Whitehead principle of advancement of rectum (3 min—1947—Color).

5069 **Simple Anterior Closure of Transverse Colostomy (Right Side)**

Right side colostomies less frequent than left side colostomies —Similarity of procedure followed in anastomosis—Typical problems and applicable surgical techniques—Some WW II developments in surgical management of colostomies (23 min—1947—Color).

5070 **Simple Anterior Closure of Colostomy**

(10 min—1947—Color).

5071 **Pinta**

Various stages of chronic, disfiguring skin disease—Diagnosis —Spirochetal etiology—Good results with arsenical and penicillin therapy (18 min—1948—Color).

5073 **Construction of Screw Lock Sectional Splint**

Case of facial injury including fracture of mandible, comminuted, compound, requiring additional bone to restore contour of mandible—All phases of fixation, grafting, and replacement (17 min—1947—Color).

5074 **Types of Screw Lock Splints and Bone Graft Cases**

Cases of injuries to face and jaw—Types of screw lock splints and bone grafts utilized in effecting repairs (6 min—1947—Color).

5075 **Reconstruction of the Lower Lip and Chin**

Cases of destruction by shell fragments of two-thirds of lower lip, chin, and mandible—Method of phases of restoration (20 min—1947—Color).

5076 **Lumbar Sympathectomy (Ganglionectomy)**

Various applications—Types of conditions likely to be benefited—Procainization of structure to be removed—Operative procedure—Details of removal of sympathetic chain—Anatomic and physiologic defects produced by removal of certain portions of chain—Ordinary anatomic demonstration on cadaver (33 min—1948—Color—Film Reference).

5077A **Inside the Cell—Part I: Enzymes in Intracellular Chemistry**

Concept of intracellular enzymatic action—Biochemical phenomena illustrated by animation—Laboratory technique of several Nobel prize winning scientists (40 min—1949—Color).

5077B **Inside the Cell—Part II: Regulation of Enzymes**

Factors regulating enzyme action (43 min—1952—Color).

5080 **Neurolysis of Peroneal Nerve**

Planning and care essential to accomplish proper incision

PMF No.

—Method of determining choice between neurolysis and neurorrhaphy (6 min—1948—Color).

5081 **Transplantation and Anastomosis of Radial Nerve**

Case of severed left radial nerve which was sutured but recovery failed to ensure—Clinical findings—Techniques used to accomplish repair (9 min—1948—Color).

5082 **Aneurysms—Part I: Quadruple Ligation and Excision of Arteriovenous Fistula of the Femoral Vessels, Lower Third**

Surgical management of case resulting from high explosive shell fragment wound approximately six months prior to operation (11 min—1948—Color).

5083 **False Traumatic Aneurysm of the Radial Artery**

Two cases of traumatic arterial aneurysms, one involving the radial and the other the brachial artery—Preoperative and postoperative findings—Surgical technique—Matas Endoaneurysmorrhaphy (19 min—1948—Color).

5084 **Aneurysms—Part II: Repair of False Arterial Aneurysm**

Small aneurysm of posterior tibial vessels repaired by ligation and excision—Method of Matas applied to aneurysm of brachial artery (11 min—1948—Color).

5088 **Peroneal Nerve Anastomosis at the Knee**

Case of peroneal nerve severed at bend of knee with evident foot drop and loss of sensation on dorsum of foot—Technique used to effect repair—Necessity for gently curving incision to prevent later keloid formation or contracture by avoiding flexion creases in popliteal space (7 min—1948—Color).

5089 **Clinical Manifestations of Paralysis**

Clinical manifestations of paralysis affecting the extremities (11 min—1948—Color).

5093 **Arteriovenous Fistula With False Sac—Lower Femoral Vessels (Quadruple Ligation and Excision)**

Essential phases of diagnosis—Best conditions for preoperative studies—Details of surgical procedure (16 min—1948—Color).

5094 **Arteriovenous Fistula (Posterior Tibial Vessels)**

Preoperative situation—Surgical technique—Postoperative findings—Indicated precautions (18 min—1948—Color).

5095 **Studies of the Motility of the Human Small Intestine**

Study of a patient having a 4 x 6-inch ventral hernia of 20 years duration without gastrointestinal symptoms—Reaction of intestines to barium meal, food, and drugs (11 min—1948).

5096 **Neurorrhaphy of Median and Ulnar Nerves in the Left Forearm**

Left forearm shell fragment case with severed median and ulnar nerves—Complete clinical examination details—Procedure to accomplish repair (14 min—1948—Color).

5097 **Technique of Tantalum Cranioplasty**

Typical problems in cosmetic correction of skull defects by means of tantalum cranioplasty—Technique of formation and insertion of tantalum plates (40 min—1948—Color).

PMF No.

5102 **Neurorrhaphy of Median and Ulnar Nerves in Midarm**

Detailed preoperative evaluation of damage to right midarm traversed by bullet—Surgical repair of median and ulnar nerves (12 min—1948—Color).

5103 **Arterial Disorders in the Upper Extremity and their Treatment by Symphathectomy**

Indications, clinical factors, operative treatment, and precautions (30 min—1950—Color).

5104 **Partial Neurorrhaphy of the Sciatic Nerve in the Buttock**

Injury to peroneal component of sciatic nerve resulting from bullet wound—Precautions and precision essential to proper surgical management (12 min—1946—Color).

5106 **The Medical Service of the Finnish Armed Forces in the Winter—Utilization of Paper in the Care of Casualties**

First aid treatment on battlefront—Chain of evacuation from front to field medical service tent and field hospital—Use of paper, blankets, bags, hoods, and wrappings to protect patients from cold (33 min—1948—German film with English translation).

5108 **Clinical Shock**

Pictorial and animated illustration of the five general principles of shock management (48 min—1952).

5110 **Radioactivity—Laboratory Demonstrations**

Elementary principles of radioactivity—Instruments used in the laboratory for detection and counting (17 min—1949—Color).

5111 **Cushing's Experiment in the Dog**

Essential details—Respiratory and circulatory effects of pressure on the brain, such as that resulting from brain tumors (14 min—1949—Color).

5112 **Respiratory Reflexes Demonstrated in the Rabbit**

Some of the simpler respiratory reflexes and their pathways (13 min—1949—Color).

5113 **Reflexes from the Carotid Bodies and Sinuses in the Dog**

Carotid bodies in the control of respiration—Carotid sinuses in the regulation of blood pressure (19 min—1949—Colors).

5114 **Rickettsiae—Laboratory Procedure for Their Isolation and Identification**

For students taking basic science course—Step-by-step technique of laboratory diagnosis of rickettsial disease—Gross pathology compared with normal—Fundamentals of sterile technique (47 min—1949—Color—Film Reference).

5115 **Urease Crystallization**

Principal steps used to isolate first enzymes as performed by Dr. J. B. Sumner (6 min—1948).

5116A **Time Out: Occupational Therapy in Tuberculosis**

Usefulness of occupational therapy for patient's morale and rehabilitation—For orientation of patients, hospital personnel,

PMF No.

and nonprofessional adult groups (26 min—1949—Film Reference).

5116B **Occupational Therapy in Problems of Motion**
Conditions involving joint limitation, muscle weakness, and incoordination—Occupational therapy contributing to restoration of function (23 min—1950—Film Reference).

5116C **Journey to Reality (Occupational Therapy for Acute Psychotics)**
Six patients with typical psychotic reactions at time of admission to hospital—Histories—Occupational therapy treatment—Medical officer's responsibility for prescribing and guiding therapy—Introduction to simple occupational therapy procedures (40 min—1950—Film Reference).

5117 **Tibial Nerve Anastomosis in the Lower Calf**
Tibial nerve damage resulting from missile that traversed midcalf region, leaving plantar muscle paralyzed and sole of foot anesthetic—Technique of surgical repair—Anatomical considerations—Precautions and Physiotherapy (8 min—1949—Color).

5118 **The Diagnosis of Peripheral Nerve Injuries**
Significant clinical findings of 12 cases of various nerve injuries (16 min—1949—Color).

5123 **Soviet Medicine at the Front**
Organization and administration of military medical services—Care and treatment of wounded—Methods of handling and rerouting patients—Importance of Treatment records—Surgery on section of joint—Gas gangrene case—Splintered Skull Operation (50 min—1950—Film Reference—Commercial Adaptation).

5124 **Ascariasis (Infestation with Ascarids)**
Details of life cycle of ascarids in swine—Reference to many other species (13 min—1949).

5125 **Liver Fluke Disease in Sheep (Fascioliasis)**
Life cycle treatment—Basic control factors (13 min—1949).

5126 **Bilharziasis in Water Fowl**
Essential elements of life cycle—Detailed studies of movements of worms and cercariae (18 min—1949).

5132 **Method of Repair of Posterior Tibial Nerve**
Repairing long defects in peripheral nerve—Bridging large gap in tibial nerve by wide dissection and flexion of knee joint (10 min—1949—Color—Film Reference).

5133 **Ulnar Nerve and Soft Tissue Defect and Simultaneous Repair in the Forearm**
Method of accomplishing simultaneous repair of soft tissue defect and ulnar nerve defect in forearm (10 min—1950—Color).

5136 **Benign Dental Tumors**
Histories, diagnoses, characteristics, treatments, and results of cases of benign dental tumors (29 min—1950—Color).

5137 **Malignant Oral Tumors**
Lesions which occur in oral cavity and adjacent structures (40 min—1950—Color—Film Reference).

PMF No.

5140 **Hereditary Ataxia**

Hereditary and clinical characteristics of this group of neurological disorders—Earliest and most common complaint—Later disease development—Signs of late stages—Diagnoses (31 min—1949—Color).

5141 **The Feeling of Rejection**

Case history of 23-year-old girl suffering from physical disorders without physical cause—Treatment by psychiatrist establishes root of trouble—Understanding problem, patient handles it in manner leading to new and healthier habits of behavior (21 min—1951—Film Reference—Commercial Adaptation).

5142 **The Feeling of Hostility**

Factors that produce feelings of resentment and hostility in personal relationships (31 min—1951—Film Reference—Commercial Adaptation).

5143 **Atomic Medical Cases—Japan—WWII**

Documentary evidence of medical problems resulting from atomic explosions at Hiroshima and Nagasaki—Pathological specimens shown in microscopic section—Use of remaining doctors and nurses to greatest advantage in carrying out first aid and medical service (37 min—1949—Film Reference—Withdrawn from Sale thru United World Films, Inc).

5144 **Nursing in the Tropics**

Intended for nurses, doctors, and other hospital personnel—Realistic problems incident to living and working in a military hospital in the tropics—Problems of preventive medicine and aseptic techniques considered—Special emphasis placed on nursing procedures involved in treating gastrointestinal disorders, fungus infections, malaria, and dengue fever (29 min—1952).

5145A **The Radioisotope—Part I: Fundamentals of Radioactivity**

This introduction to the series dealing with the theoretical and practical aspects of the radioisotopes is designed for doctors, medical researchists, pharmacologists, toxicologists, enzymologists, physicists, chemists, physiologists, agronomists, soil chemists, radiologists, entomologists, engineers, plant managers, metallurgists, and health physicists—Part I establishes the basic concepts in the field of nuclear physics that are pertinent to an understanding of radioisotopes (59 min—1951).

5145B **The Radioisotope—Part II: Properties of Radiation**

This film (1) Explains the characteristics and properties of primary and secondary nuclear radiations in terms of their ionizing effect—(2) Introduces concepts concerning the effect of matter on radiation so that absorbing materials can be used wisely to measure radiation characteristics or to shield against their biological effects—(3) Acquaints the audience with the terminology and presentation of data as a prerequisite to practical measurement (68 min—1952).

5145C **The Radioisotope—Part III: Practical Procedures of Measurement**

Consideration of various measurement apparatus and techniques—Absolute and comparative measurement (48 min—1951).

PMF No.	
5145D	**The Radioisotope—Part IV: Methodology** Underlying principles and practical considerations governing tracer usage and design of tracer experiments—Establishment of seven criteria of tracer methodology by means of illustrative experiments (40 min—1951).
5145E	**The Radioisotope—Part V—The Physical Principles of Radiological Safety, Sections I and II** Live action and animation explain ionizing characteristics of alpha, beta, and gamma radiation from external and internal sources—Roentgen and roentgen measurement—Maximum permissible exposure, both general and localized—Principles and formulas for calculation of exposure from internal sources—Problems of uniform and localized exposure by single and by continued uptake—Effect of physical decay and biological elimination on dosage rate—Concept of biological half-life and effective half-life (Sec I, 25 min—Sec II, 26 min—Total 51 min—1954).
5145F	**The Radioisotope—Part VI: The Practice of Radiological Safety** Practical considerations and techniques involved in safe handling of radioisotopes—Basic principles of safety as outlined in the Bureau of Standards Handbook—Layout of typical high-level radioisotope laboratory—Protective clothing and metering equipment—Control of exposure—Decontamination—Monitoring—Shielding techniques (33 min—1952).
5147B	**The Radioisotope—Part XII: Agricultural Research** Showing three classes of radioisotope work—The use of a high energy, beta-emitting radioisotope, such as Phosphorus 32, in large-scale field tests of fertilizers—The use of radioisotopes such as Cobalt 60, in micro-nutrient studies with large domestic animals—The use of low energy beta emitters, such as Calcium 45, in major nutrient problems and autoradiography (40 min—1952).
5147C	**The Radioisotope—Part XIII: General Sciences** The radioisotope as a research tool that is adaptable to tracer investigations in all branches of general science—Introductory experiment of self-diffusion of metals—Nine additional experimental problems solved through the use of tracers—Primary fields of general science include metallurgy, chemistry, biochemistry, and plant physiology (46 min—1952).
5148	**The Medical Effects of the Atomic Bomb—Part II: Pathology and the Clinical Problem** Mechanism of thermal, traumatic, and radiation effects—Clinical observations—Diagnosis and prognosis—Pathological material for illustrative purposes (37 min—1950—Color—Technical film for professional personnel only).
[C] 5152A thru 5152U	**Psychiatric Interview Techniques—(U) Part I through Part XXI—respective running times: A–44; B–18; C–12; D–25; E–35; F–19; G–38; H–26; I–43; J–58; K–20;**

PMF No.

L-23; M-32; N-31; O-26; P-27; Q-52; R-36; S-25; T-49; and U-44 min
(1950—Very limited distribution to pertinent army medical installations).

5163 **Rheumatoid Arthritis of Spine**
(34 min—1951).

5166 **Electrocardiography**
Use of cathode-ray oscilloscope to show magnitude and direction of galvanometer deflections caused by changing relative position of two oppositely charged points within a conducting fluid—Mathematical explanations relating human electrocardiogram to Einthoven's hypothesis (10 min—1949—Color—Film Reference).

5167 **Heat Disorders—Heat Exhaustion, Heat Stroke, and Heat Cramps**
Causes, symptoms, treatment, and preventive measures for heat exhaustion, heat stroke, and heat cramps—Physiological aspects of Undue Heat Load—Metabolic heat—Heat exchanges by radiation, convection, conduction, and vaporization—Body temperature regulation by nervous system, sweat glands, and circulatory system (25 min—1952).

5171 **The Surgical Treatment of Carotid Body Sensitivity in Man**
Surgical correction of carotid body sensitivity—Comparison of preoperative and postoperative conditions—Details of surgical procedure (20 min—1951—Color).

5175 **Gelfoam in Surgery**
Use of Gelfoam (R) surgical hemostasis—Examples selected from several operative procedures (27 min—1949—Color—Film Reference—Commercial Adaptation).

5177A **The Diagnosis of Surgical Lesions of the Alimentary Tract—Part I: The Primary Examination**
History taking, physical examination, and laboratory procedures by medical officer—Patient with symptoms referable to alimentary tract—Tentative diagnosis of malignant disease of sigmoid colon—Sigmoidoscopic examination and chemical test for occult blood in stools (20 min—1951—Film Reference).

5177B **The Diagnosis of Surgical Lesions of Alimentary Tract—Part II: Special Techniques and Apparatus**
(21 min—1951).

5180 **Vascular Injuries**
Diagnosis and effects of acute traumatic arterial injuries—Techniques of arterial repair by end-to-end suture anastomosis and by continuous everting mattress suture interrupted at three points—Re-establishing the blood flow through the original channel by means of an arterial or vein graft (44 min—1952—Color).

5182A **Integrated Aspects of the Nervous System—Part I: Motor System**
Operation of nervous system as a series of self-regulatory

PMF No.

mechanisms—The stretch reflex and addition of control through more complex loops—Use of modern engineering principles to develop the concept that purpose in behavior resides in basic design of circuits (47 min—1951—Color).

5188 **Intramaxillary Loop Wiring in Treatment of Jaw Fractures**

Technique of applying intramaxillary multiple loop—Case history of 20-year old male with fracture of right mandible—Complete wiring procedure in the case of this patient (28 min—1951—Color).

5189 **Dento-alveolar Surgery, Removal of Impacted Mandibular Third Molar by Controlled Sectioning**

Showing theory of controlled sectioning on simple mesio-angular impacted third molar (10 min—1952—Color).

5191 **Dento-alveolar Surgery, Excision of Chronic Periaphical Infections**

Case reports of dental treatment of chronic periaphical abscesses with a persistent, draining, cutaneous fistula—Method of making mucoperiosteal flap, excision of incisor teeth, window in labial cortex, and removal of pathological lesion (8 min—1952—Color).

5193 **Synovectomy of the Knee for Rheumatoid Arthritis**

Case history of 54-year old male with chronic rheumatoid arthritis—Procedure of surgical excision of synovial lining of the knee joint (10 min—1951—Color).

5196 **Intramedullary Fixation of the Femur**

Techniques detailed (23 min—1951—Color).

5200 **Breast Cancer**

Symptoms, clinical diagnosis, and treatment—Early treatment and diagnosis (34 min—1951—Color—Commercial Adaptation).

5201 **Cancer—The Problem of Early Diagnosis**

Early diagnosis and treatment of cancer of the breast, stomach, rectum, cervix, and lung (31 min—1951—Color—Commercial Adaptation).

5202 **Operative Procedure for Total Urinary Incontinence**

Use of muscular transplant for controlled pressure upon bladder to overcome urinary incontinence (21 min—1952—Color).

5203 **Caesarean Section—Extraperiotneal Pfannensteil Incision**

Case history (23 min—1952—Color).

5204 **Caesarean Hysterectomy (Porro)**

Surgical procedures for Caesarean hysterectomy with anatomical landmarks throughout the operation clearly indicated (17 min—1952—Color).

5206 **Caesarean Section—Extraperitoneal with Cherney Modification**

Case history (23 min—1952—Color).

5207B **Caesarean Section, Low Cervical Paramedian Incision**

Actual case history—Clearly indicating anatomical landmarks (22 min—1952—Color).

PMF No.

5208 **Thoracic Surgery—Thorcoplasty, 1st Stage and 2d Stage in the Treatment of Pulmonary Tuberculosis**

First stage of a thorcoplasty on 26-year old male patient with pulmonary tuberculosis—Case history of 34-year old female tubercular patient who has already undergone the first stage of a thorcoplasty and the second stage of this patient's thorcoplasty is demonstrated—Narrative explanation of the two case histories and surgical procedures involved (23 min—1951—Color).

5209 **Thoracic Surgery—Lobectomy, Right Upper and Middle Lobes, in the Treatment of Pulmonary Tuberculosis**

Medical case history of 21-year old patient under treatment for pulmonary tuberculosis—Surgical procedures involved in patient's lobectomy—Summation of results of 51 lobectomies performed between December 1946 and July 1949 (22 min—1952—Color).

5210 **Thoracic Surgery—Decortication in the Treatment of Tuberculosis Pleuritis**

Self-explanatory title (23 min—1952—Color).

5211 **Thoracic Surgery—Excision Tuberculoma, Right Lower Lobe, and Thoracolumbar Sympathectomy**

Self-explanatory title (10 min—1952—Color).

5212 **The Heart—Cardiovascular Pressure Pulses and Electrocardiography**

Case history (35 min—1952—Color—Commercial Adaptation).

5217 **Dento-alveolar Surgery, Alveolectomy After Multiple Extraction of Teeth**

Demonstrating surgical procedures for establishing a ridge of uniform height with smooth even contour after multiple extractions (6 min—1952—Color).

5218 **Dento-alveolar Surgery, Alveolectomy in Extraction of Isolated Teeth**

Surgical removal of bone containing isolated teeth and procedure for proper contouring of soft tissues (11 min—1952—Color).

5219 **Dento-alveolar Surgery, Alveolectomy and Multiple Pathology**

Problems in removal of teeth from pathological bone and proper repair of ridge tissues (18 min—1952—Color).

5220 **Dento-alveolar Surgery, Excision of Mandibular Tori**

Preferred procedures for reduction of lingual tuberosity and proper retention of dentures (12 min—1952—Color).

5221 **Dento-alveolar Surgery, Excision of Gingival Hypertrophy**

Surgical procedures and correction of dental ridge hypertrophied and flabby due to ill-fitting dentures (6 min—1952—Color).

5226 **Caesarean Sections**

Demonstrating the surgical techniques used in performing such Caesarean sections as, classical Caesarean section, low cervical section, extraperitoneal section and Caesarean hysterectomy (43 min—1953—Color).

PMF No.	
5227	**Introduction to Occupational Therapy** Case histories illustrate value and application of this interest-motivated activity with a therapeutic purpose (20 min—1954).
5229	**Dental Activities, Walter Reed Army Medical Center** Principal source of in service professional dental training for Army and Air Force Officers—Walter Reed Army Hospital, Central Dental Laboratory, and Army Medical Service Graduate School comprise the dental activities—Scope, functions, and varied aspects of dentistry (18 min—1953—Color—Film Reference).
5230	**Uterine Cancer: The Problem of Early Diagnosis** Regular routine pelvic examination by general practitioner of all female adults would reduce the number of fatalities due to cancer of the uterus—Cytologic method of screening and verification of malignant tumors by tissue biopsy (21 min—1952—Color—Commercial Adaptation).
5231	**Gastrointestinal Cancer: The Problem of Early Diagnosis** Difficulty of discovering gastric cancer in the early stages—Five sites of gastrointestinal cancer discussed; esophagus, stomach, small intestine, large intestine, and rectum (33 min—1952—Color—Commercial Adaptation).
5289	**Pressacral Pneumonography** A new technique which permits visualization, by means of x-ray, in the retroperitoneal space, particularly the adrenal and kidney glands (10 min—1954—Color—Film Reference).
5292	**Medical Effects of Nerve Gas** Characteristics, symptoms, and treatment of nerve gas poisoning—Appropriate emergency treatment—Use of atropine —First aid men treat severe gas casualties—Treatment procedures at medical aid station (27 min—1955—Distribution to central film libraries and exchanges in CONUS and overseas—Film Reference—Replaces PMF 5214).
5295	**Combat Fatigue—Irritability** Aiding the neuropsychiatric patient to understand his adjustment problem—Overcoming fear and frustration—Conversations with doctor and participation in group therapy as aids (36 min —1945—Intended for use by the Army Medical Service for Professional audiences only—Film Reference—From Navy Film MN 3428C).
5299	**Combat Psychiatry—The Battalion Medical Officer** Role of the battalion psychiatrist—How typical cases of combat fatigue can be recognized and treated—Emphasis on prevention of manpower losses due to psychiatric causes (37 min—1955—From Navy Film MN 7499A).
5300	**Combat Psychiatry—The Division Psychiatrist** Fundamental principles and practices of combat psychiatry—Role of the division psychiatrist, showing how he diagnoses and supervises treatment and reassignment of NP patients (33 min —1955—From Navy Film MN 7499B).
5301	**Hemorrhagic Fever—Clinical Features** Clinical and pathological findings of epidemic hemorrhagic

PMF No.	
	fever—Current opinion on spread, cause, and control of the disease (45 min—1955—Color).
5305	**Debridement—Part II—Wounds of the Extremities** Eight different wound cases shown to demonstrate techniques of cleaning wounds and removing devitalized tissue and other foci of infection (33 min—1956—Color).

56. Staff Film Reports

Staff Film Reports (SFR) are newsreel-type films of the Korean conflict. Weekly distribution of these films was discontinued with the release of SFR 185. Future issues will be released as timely material warrants.

SFR No.	
[C] **14**	(22 min—August 1944—There is also an unclassified version).
[S] **16**	(34 min—August 1944—There is also an unclassified version).
[C] **21**	(31 min—September 1944).
[C] **22**	(36 min—October 1944).
[S] **28**	(25 min—November 1944).
[S] **32**	(22 min—December 1944).
[S] **37**	(28 min—January 1945).
[C] **40**	(38 min—February 1945).
[C] **42**	(32 min—February 1945).
102	Korea, 24 June through 4 July 1950—Evacuees arrive in Japan—South Koreans reorganize and leave for Suwon front—C–54's unload supplies for South Korean Army at Suwon—Gen Douglas MacAuthur flies to war zone—Battalion of 24th Infantry Division lands in Korea—South Koreans greet new arrivals at Taejon—Trainload of fighting equipment moves forward—US troops encounter enemy tanks—US Navy orders aircraft carrier USS *Philippine Sea* from San Francisco to Pearl Harbor with jet fighters—Sea movement of 24th Infantry Division gets under way (14 min—1950).
103	Defense line 5 miles south of Seoul held by South Koreans—US troops move up front from Taejon—LST unloads troops and equipment at Pusan—South Korean labor repairs airstrip—US infantry withdraws—US artillerymen in action—First US tanks head toward front—Lt Gen Walker and Maj Gen Dean confer—Captured Russian-made equipment—M–24's of 24th Infantry Division move closer to front—US 150-mm howitzer in action—Russian-made tanks knocked out—North Korean PW's examined by UN delegates—Korean home guard with wooden guns—Fifth AAF base in Japan—Twenty-fourth Division troops board planes for flight to Pusan—Maj Gen Dean at 5th AAF base—Jet planes take on large wing tanks—C–46 crew drops propaganda leaflets—B–29 pilots brief at Japan air base—Seventh Fleet in Korean action—British naval commanders board USS *Rochester*—First Marine Division embarks from Korea—UN flag goes to Gen MacAuthur—North Koreans within 15 miles of Taejon (20 min—1950).
104	Quartermaster, Engineer, and Signal units arrive in Korea from Japan—Field artillery of 25th Division arrives in Korea—Pictures

SFR No.

of North Korean atrocities and evacuation of wounded—USS *Boxer* leaves for Korea with Navy and Air Force planes—US Air Force strikes Reds—Army and Air Force chiefs fly to battle zone—UN flag presented to Gen MacArthur in Tokyo (17 min—1950).

105 Two regiments of the 24th Infantry Division destroy Kum River bridge in withdrawal—Nineteenth Infantry Regiment of the 24th Division regroups after heroic stand—Twenty-fifth Division in action at front before fall of Taejon—South Korean 1st Division in action —First Cavalry Division lands at Pohang without enemy opposition —Navy planes of USS *Valley Forge* strike Korean targets—Battle for Taejon (23 min—1950).

106 Korea, 21 July through 26 July 1950—Twenty-fifth Infantry Division, units of 1st Cavalry Division, and South Korean 6th Division in delaying action after Taejon falls—Gen MacArthur confers with Gen Walker's staff in Korea—USS *Boxer* makes record Pacific crossing—Navy exhibition team receives combat orders (20 min—1950).

107 Korea, 27 July through 4 August 1950—Map shows situation on 27 July—Twenty-fifth Division in central sector—Twenty-fourth Infantry Division and 1st Cavalry Division in south—North Korean Army action in north—Reorientation map of situation as of 31 July—Gen MacArthur visits Okinawa and Formosa—Army engineers blow up bridge in central sector—F–80 jet planes strafe North Korean targets —B–29 raid by the 19th Bomber Group on Korea—Additional combat film—Late situation map as of 4 August 1950 (26 min—1950).

108 Korea, 4 August through 7 August 1950—Air activity through 10 August—Map shows situation of UN forces as of 4 August—Twenty-seventh Infantry Regiment, 25th Division, regroups—Five hundred twenty-second Signal Company lays cable with South Korean civilian help northwest of Pusan—Tanks and artillery arrive at Taegu—Aerial activity along Naktong River—Preparations for B–29 strike against Wonsan—Aircraft carrier USS *Philippine Sea*—Activity in Pusan harbor—Meeting in Washington to strengthen North Atlantic defenses—Late map shows situation on 7 August 1950 (26 min—1950).

109 Korea, 7 August through 18 August 1950—Map shows situation on 7 August—Interrogation of communist prisoners—Activity on control front—Trapped communists under artillery and mortar fire—Guarding the Naktong line—Attack toward Chinju—Marine troops moving up—Captured communist artillery—Tanks in action—Air Force and Naval air activity from 14 to 18 August—Strike by Navy Task Force 77—Late situation map as of 28 August (39 min—1950).

110 Korea, 18 August through 24 August 1950—Map as of 18 August —First ROK Division moves north of Taegu—Destruction in Pohang —Twenty-seventh RCT troops under mortar fire—Knocked-out communist tanks—US Army ordnance depot in southern sector—Fifth Cavalry Regiment retakes Hill 303—First Marine Brigade gets ready to regroup in Miryang—Marine Corsairs strafing—Air Force strikes and Navy air-sea action from 21 to 24 August—Gen Collins visits Korean battlefront—Late situation map as of 1 September 1950 (27 min—1950).

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111 Korea, 24 August through 1 September 1950—Map of ground situations as of 24 August—Action near Masan on 25 August—Tanks serving as artillery—Interrogation of prisoners—Captured Russian weapons—South Korean engineers make barbed wire concertina near Yongchon—Action near Waegwan—Tanks and 1st Cavalry Division troops in central sector action—Two British Infantry battalions arrive at Pusan—Propaganda leaflets dropped over North Korea—UN naval and air force activity from 24 August to 1 September—Late map shows situation as of 11 September (33 min—1950).

112 Korea, 30 August through 7 September 1950—Map shows combat situation on 1 September—24th Infantry Division in vicinity of Pohang—British troops move into combat near Naktong River on 4 September—South Korean troops have chow with American GI's—Troops of 2d Division in combat near Yongsan, 2 September—B-29's strike north of 38th parallel—Carrier planes strike inland Korean targets—Demonstration of Russian machine gun—Late map shows situation as of 18 September (27 min—1950).

[C] **113** (24 min—September 1950).

114 Korean ground situation on 14 September 1950—Map of naval action, 14 through 17 September—Invasion of Wolmi by US Marines—Capture of Inchon and start of Marine advance toward Seoul—Map of overall situation on 25 September 1950—Final map on situation on 2 October 1950 (37 min—1950).

115 Ferrying troops and vehicles across Naktong—Problems facing advancing troops—Enemy mines, roadblocks, pockets of resistance, captives, and refugees—Unloading supplies at Pusan—Making napalm bombs—Arrival of Philippine troops at Pusan—Australian troops leaving for Korea—A Korea-bound Swedish hospital unit arriving in New York—Situation map shows action north of 38th parallel on 9 October 1950 (20 min—1950).

116 Korea, 25 September through 16 October 1950—UN forces encircle Red troops in south—Recapture of Seoul—Seven mile advance beyond 38th parallel—Maps illustrate changing situation (29 min—1950).

117 Korea, 2 October through 9 October 1950—Maps indicate changing situation—ROK army moves beyond 38th parallel—UN forces in South Korea in mopping up operations (26 min—1950).

118 Korea, 9 October through 16 October 1950—Korean battlelines as of 30 October 1950 (20 min—1950).

119 Korea, 16 October through 23 October 1950—Maps show combat situation at beginning and end of period—First Cavalry units capture Pyongyang on 20-21 October, 187th Regiment of 11th Airborne Division drops with heavy equipment north of Pyongyang to cut off fleeing Reds—Gen MacArthur observes jumps from his plane—Paratroopers joined by tanks of 1st Cavalry driving north through Pyongyang—Reconstruction activities at Seoul—Communist atrocities at Hamhung—Map shows battle situation as of 6 November (25 min—1950).

120 Korea, 23 October through 30 October 1950—US 10th Corps makes unopposed amphibious landing at Wonsan, 26 October—Marines get vehicles, tanks, and equipment ashore—Destruction by strategic bombing of Wonsan railroad yards and oil refineries—Seventh Infantry

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Division's amphibious landing at Iwon, 29 October—Former prisoners of North Korean await evacuation to Japan—Late situation map of 13 November (21 min—1950).

121 Korea, 30 October through 6 November 1950—Battlelines as of 20 November—US 1st Marine Division fans out after establishing Wonsan Beachhead—Delivery of supplies by LST's on 30 October—Captured Chinese Reds marched into port area—Specialist training—Evacuating US wounded—Al Jolson entertains patients at hospital in Japan—American Ordnance Association at Aberdeen, Md. shows Russian and American tanks and weapons (27 min—1950).

122 Carrier USS *Philippine Sea* in rough weather, covered with snow and ice, receiving supplies, and refueling as winter arrives in Korea—Effects of B–29 attacks against large oil refinery at Hungnam, 24 August—US winter uniforms displayed at Washington, D. C., and compared with captured quilted uniforms—Air Force tests new pack plane, Fairchild XC–120, at Hagerstown, Md.—Map shows our units falling back in face of growing Red resistance, 27 November (15 min—1950).

123 Korea as of 13 November 1950—Combat scenes of US 24th Division—Elements of 1st Marine Division move toward Changjin reservoir—Thailand troops training in Korea with US arms and equipment—Air Force tests at Wright-Patterson Air Force Base, Ohio–C–54 transport towing helicopter—Map shows UN troops fighting Chinese as well as North Korean Communists, 4 December (18 min—1950).

124 Korea as of 20 November 1950—US 7th Division troops reach Manchurian border, 21 November—Thanksgiving dinner at front and rear areas—Gen MacArthur visits front 24 November—C–47 transports drop supplies and equipment to advancing troops—F–80's strike enemy targets—Air Force demonstration at Muroc Air Base of new F–86E Saberjet fighter—Map shows battlelines as of 11 December (19 min—1951).

[C] 125 (8 min—December 1950).

126 Korea, 4 December through 11 December 1950—Changing battle situation— US 1st Marine and 7th Infantry Divisions hold on to a small snowpacked airfield in northeast Korea until all casualties are flown out—Supplies, including bridge sections, dropped by cargo planes—Dutch troops train in Korea with US weapons—Pipeline leading to Kimpo airfield laid at port of Inchon—Army Chief of Staff Gen J. Lawton Collins visits Japan and Korea for conferences with Gen MacAuthur and his field commanders—Late situation map of UN Forces as of 26 December (21 min—1951).

127 Korea, 11 December through 18 December 1950—Maps show battlelines as of January 1951—Tenth Corps troops break out of mountains in northeast after abandoning positions near Changjin reservoir—Equipment and supplies evacuated—Thousands of troops and Korean refugees at Port of Hamhung—Platoon of 3d Division under fire—Captured film shows modern Russian planes in flight (22 min—1951).

128 Korea, 18 December through 26 December 1950—Successful withdrawal from Hungnam of 10th Corps, including 1st Marine, 3d and 7th Infantry Divisions, and South Korean elements—Operation

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proves possibilities of evacuating an army by sea with as little loss as is sustained in an amphibious landing—Evacuation of 100,000 civilian refugees—Redeployment of 8th Army in Seoul area—Refugees fleeing from Seoul—Troops of 187th RCT in snow bivouac and Suwon—L–5 liaison airplane directs fire for artillery battery of 1st Cavalry Division—Funeral service for Gen Walton H. Walker in Tokyo on Christmas Day—UN naval air patrol around-the-clock operations—Map shows battle lines as of 8 January 1951 (27 min —1951).

129 Korea, 26 December 1950 through 2 January 1951—Map shows situation as of 15 January 1951—Port of Hungnam on last day of operations—105,000 troops, 100,000 refugees, 17,500 vehicles, and tons of equipment evacuated—Artillery and mortar help protect beach—Last UN troops blow up bridge, warehouses, and piers—Lt Gen Matthew B. Ridgway, new commander of 8th Army, makes survey of forces under his command—Troops withdrawing across Han River—Refugees clogging roads—Seoul orphans placed aboard C–54's at Kimpo airfield for evacuation (26 min—1951).

130 Korea, 2 January through 8 January 1951—Evacuation of troops and civilians from Inchon—Destruction of docks and other facilities —In vicinity of Suwon, troops of 24th Division in rear guard action as UN Forces dig in—Units of 29th British Brigade among last troops to leave Seoul—South Korean recruits embarking for basic training centers—Air base operations at Pusan—Tests made with B–47 jet bomber at Wichita, Kansas—Late situation map shows forces as 22 January 1951 (21 min—1951).

131 Korea, 8 January through 15 January 1951—Maps show changing battle situation—UN troops digging out after heavy snowfall—F-80 Shooting Stars and B–26 light bombers striking enemy targets—Communists forced to remain in mountains, avoid coastal plains and move only by night—Activities of nurses at a station hospital in Korea—Army Nurse Corps begins 50th year—Late map shows situation on January 1951 (17 min—1951).

132 Korea, 15 January through 22 January 1951—UN troops near Wonju, shortening defense lines—Retreating troops burn buildings to deny use to enemy—Gun-camera scenes record strikes against communist targets—C–119B Flying Boxcars drop supplies—Late situation map shows battlelines as of February 1951 (16 min—1951).

133 Korea, 22 January through 29 January 1951—UN troops recapture key cities—Gen MacArthur inspects frontline positions—Supplies dropped by squadrons of Far East Air Force combat cargo command retrieved by ground troops—B–36's in England, beginning return flight to Fort Worth, Texas—Basic training of South Korean recruits —Late map shows battle situation as of 12 February 1951 (29 min—1951).

134 Korea, 29 January through 5 February 1951—In Suwon area UN troops battle northward toward Seoul—New tactics account for more enemy casualties—Searching Chinese prisoners—First aid—ROK troops advancing—Chinese suicide groups harass advancing UN forces—Eighth Army troops blast Chinese Reds from hill positions—Navy Corsairs drop napalm bombs—Late map shows battle situation as of 19 February (16 min—1951).

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135 Korea, 5 February through 12 February 1951—UN troops advancing to Han River—Red resistance wanes under sustained air-ground attack—Lt Gen Ridgway inspects 25th Division positions—New 81-mm (round base plate) mortar crew in action—US engineers construct log bridge—Late map shows battle situation as of February (21 min—1951).

136 Korea, 12 February through 19 February 1951—Artillery of 24th Division firing on hill 584 as part of operation Killer—ROK troops retreating from Wonju—President Truman at ordnance display at Aberdeen, Md.—Gen Eisenhower arriving in France—British Canberra twinjet light bomber arriving US—Late map shows battle situation as of 5 March 1951 (19 min—1951).

137 Korea, 19 February through 26 February 1951—Lt Gen Ridgway inspects initial phase of operation Killer—Supplies and ammunition airdropped at front—Trucks and ambulances ferried across Han River—Bridge construction and repair—Ammunition loading by ordnance ammunition company on ship—Late map shows battle situation as of 12 March 1951 (19 min—1951).

138 Korea, 26 February through 5 March 1951—UN platoon crossing Han River under fire—UN air force machine gun and rocket strikes recorded by gunsight aiming-point cameras—Ceremonies aboard USS *Missouri* as commanders change—Danish hospital ship *Jutlandia* arriving at Tokyo Bay with volunteer Red Cross detachment—Distribution of Marine Corps League gifts to mothers and children in South Korea—Field assembly of helicopters at Taegu—Late situation map as of 19 March 1951 (20 min—1951).

139 Korea, 5 March through 12 March 1951—Units of 24th Division capture strong enemy hill position north of Han River—UN patrol of Greek and US troops seek enemy in advance of operation Killer—Units of 25th Division crossing Han River, 7 March—Navy harassing Red supply lines near Wonsan—US and ROK troops taking island in Wonsan harbor-Practice parachute jump by 187th regimental combat team near Taegu—Ceremonies at Yokohama harbor for 50 American war dead, including Maj Gen Bryant E. Moore are placed aboard transport—Late situation map as of 26 March 1951 (24 min—1951).

140 Korea, 12 March through 19 March 1951—UN troops near 38th parallel—Progress impeded by Red Chinese land mines—Distributing rice rations to 200,000 survivors of 1,500,000 population in Seoul—Psychological warfare personnel dropping surrender leaflets and broadcasting messages to enemy—Helicopter operations in war zone—Late situation map as of 2 April 1951 (18 min—1951).

141 Korea, 19 March through 26 March 1951—Paratroopers of 187th airborne RCT participating in operation Tomahawk jump of Seoul to cut off retreating Red units—Chunchon entry by tanks of 1st Cavalry Division—Fighter pilot training at Wiliams Air Force Base, Arizona—Late situation map as of 9 April 1951 (21 min—1951).

142 Korea, 26 March through 2 April 1951—Units of 25th Division push toward 38th parallel neutralizing sniper resistance—Bad weather and mud hamper units of 7th Infantry Division—Airborne supply continues—Naval bombardment of Wonsan harbor—Imjin

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River crossing by 1st ROK Division—Interrogating Chinese prisoners—Gen Eisenhower's activating command of SHAPE—Late situation map as of 16 April 1951 (19 min—1951).

143 Korea, 2 April through 9 April—UN Forces of Seven nations at 38th parallel meet no resistance along 110-mile front—US tank-infantry patrol crosses parallel north of Seoul and brings back Red prisoners—Former Secretary of the Army Pace and 8th Army Commander, Lt Gen Ridgway, arrive in 25th Division area—South of 38th parallel members of reconnaissance tank company encounter difficult road conditions—First Cavalry Division troops pursue Reds in an effort to prevent preparations for a counterattack—Late situation map as of 23 April 1951 (19 min—1951).

144 Korea, 9 April through 16 April 1951—Troops of 25th Division blast enemy in central and western sectors—Elements of the 5th RCT eliminate Red positions on key hill with aid of napalm-dropping aircraft—The 40th Division arrives in Yokohama, Japan, for further training and occupation duty—Arrival of Lt Gen Van Fleet in Korea—Crashed B–29's at Seoul airport—Use of 60-inch searchlights by engineer units to make artificial moonlight—Late situation map as of 30 April 1951 (14 min—1951).

145 Korea, 16 April through 23 April 1951—British and Belgian troops undertake patrolling action near the Imjin River at 38th parallel—Northwest of Seoul, rangers of task force Roger fail to contact enemy—In western sector, an artillery battery undertakes a night mission against Chinese communist troops across 38th parallel—Lt Gen Van Fleet visits the front—Aerial photographic reconnaissance mission of the 3d Division—Quartermaster clothing tests at Fort Lee, Va.—Battle situation as of 7 May 1951 (18 min—1951).

146 Korea, 24 April through 30 April 1951—Near the 38th parallel, British and Belgian troops are shown withdrawing as the Red spring offensive gets under way—Rain-soaked US troops withdraw through Uijonbu—Around Seoul, 1st Cavalry Engineers lay a massive anti-tank minefield, while our armor and artillery prepare to blast the Red hordes pitted against our Lincoln Line—In the heart of Seoul, 155-mm howitzers open up against the advancing Chinese—Evacuation of the sick from Seoul—Flight of refugees from the South Korean Capital—Experimental air drop of VHF radio equipment near Taegu—Late battle situation map as of 15 May 1951 (20 min—1951).

147 Korea, 1 May through 7 May 1951—Engineers laying wire and minefield barricades against expected Red onslaught east of Seoul—F–51 Mustangs bomb Red assembly points on Seoul defense line—Coordinated air-ground attacks counteract communists' human wave tactics, and break up May Day offensive—Signal Corps teams in Seoul laying field wire between I Corps HQ and supporting units—UN troops receive food and supplies on Lincoln Line while awaiting Red attack—Continuing artillery bombardment—Swamp rescue test of the Navy in Florida Everglades—Late battle situation map as of 21 May 1951 (18 min—1951).

148 Korea, 8 May through 14 May 1951—Above Seoul, Corsairs and F–51's, aided by ground observers, blast the enemy from hill positions

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—A T-6 Mosquito plane on a reconnaissance mission—Lt Gen Van Fleet presents the Presidential Unit Citation to the surviving members of the 1st Battalion, 29th Gloucestershire Regiment, 29th British Brigade—At Pusan, the first contingent of Ethiopian troops arrives to join the UN forces—Night illumination test, using Fagasse (napalm and gasoline)—Loading of Korean orphans aboard trains as part of the 1st Cavalry Division's Operation Mascot—In Marly Forest, near Paris, workmen construct buildings at the site of SHAPE headquarters—Late battle situation map as of 28 May 1951 (20 min—1951).

149 Korea, 14 May through 21 May 1951—First Cavalry patrol strikes at enemy north of Uijongbu—Two F-51 Mustangs catch fire and burn at airfield near Seoul—Replacement F-51 Mustangs arrive at Yokasuka, Japan, for Korean theater—Air shipment of fresh vegetables from Japan to the front—USS *New Jersey* arrives in far east—Cutting hilltop trees in Korea for use as telephone poles—Chaplain activities at San Francisco of US veterans of Korean war under Army's rotation policy (20 min—1951).

150 Korea, 25-31 May 1951—Defense efforts elsewhere in free world during same period—North of Seoul, 1st Cavalry Division troops advance as Red offensive wanes—Above Han River, 24th Division troops pursue and maintain contact with retreating enemy—Dutch battalion attached to 8th Army jigs in at front—F-86's score over enemy jets—Unloading of airborne supplies at Korean airfield—Training Ethiopian troops in Korea—Delivery of MDAP supplies to France and Thailand—Ordnance demonstration at Aberdeen Proving Ground for West Point cadets—Situation map 11 June (20 min—1951).

151 Korea, 1-8 June 1951—Events elsewhere concerning defense of US and allies during period—Dutch troops advance near Inje in Korea as last of Red forces are pushed back to 38th parallel—Advance of other UN forces hampered by mud—Airdropped supplies—Enemy forces escape across 38th Parallel—UN air attacks continue despite rainy weather—Submarine training at US Navy Submarine School, New London, Connecticut—Inspection of Scandanavian defenses by Gen Eisenhower—Situation Map 18 June (18 min—1951).

152 Korea, 9-16 June 1951—Events elsewhere concerning defense efforts of free world during same period—F-51's give close support to 7th Division troops in blasting enemy from fortified hill positions south of Kumhwa—Enemy receives pounding by 155-mm howitzers of 25th Division in west central sector—US Marines process Red prisoners—US engineers build bridge with heavy equipment near Inje—Bombardment of Wonsan by USS *New Jersey* and USS *Manchester*—Ceremonies in Normany, France, marking 7th D-day—Gen Eisenhower proclaims need for strength to keep Europe free from tyranny (13 min—1951).

153 Korea, 11-18 June 1951—Tank-infantry patrol of 7th Division attacks Red strong point and clears roadblock east of Kumhwa—Air-ground team directs F-51 strikes against enemy on hill 603—Navy rockets blast shore targets near Wonsan during night firing mission—Signal Corps linemen lay trunk line in eastern sector with assist-

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ance of pack mules—Tenth Engineers Corps complete construction of Bailey Bridge ahead of schedule on east central front—Views of stricken Seoul—Experimental jet fighter X-5 at Niagara Falls, N. Y. (14 min—1951).

154 Korea, 18–25 June 1951—Turkish infantry unit drives enemy from town above Kumhwa—Trucks bring in supplies along main supply route of 10th Engineers Corps—Ordnance squad detonates aerial torpedo at Hwachon Dam—Chinese bunker construction—Engineer replacements undergo final training during a landing exercise near Inchon—Personnel of 4th Ordnance Battalion perform maintenance and repair functions—First truce parley at Kaesong, 8 July—Situation map 25 June (19 min—1951).

155 Korea, 25–30 June 1951—Canadian Brigade engages enemy west of Chorwon—UN engineers construct ponton bridge for heavy tanks to cross Imjin River—Captured North Koreans construct a PW camp on island of Koje-Do south of Pusan—Harbor activities at Inchon—Construction of railroad bridge across Han River at Seoul—Highway maintenance operations between Seoul and Yongdungpo—Cease-fire parley at Kaesong—Situation map 1 July (26 min—1951).

156 Korea, 1–8 July 1951—Red storage dump blasted by 155-mm self propelled howitzers of 9th Engineers Corps northwest of Inje—Removal of Korean noncombatants from combat zone at Chorwon by UN personnel—Signal Corps personnel construct a field expedient wire-layer—Ordnance personnel conduct field ballistics test on 155-mm howitzer—Situation map 8 July—Maj Gen Pick, Chief of Army Engineers, arrives in middle western sector to supervise armed forces aid in flood-stricken areas—Cease-fire talks continue at Kaesong after enemy accedes to Gen Ridgway's demands for equality of treatment in respect to UN negotiators (21 min—1951).

157 Korea, 8–15 July 1951—Situation map 15 July—US Marines neutralize enemy positions northeast of Yanggu—M4 tank, bogged down in river, recovered by tank retriever—Cease-fire talks resumed at Kaesong after four days of inactivity (8 min—1951).

158 Korea, 15–22 July 1951—Situation map 22 July—Unit of 23rd Infantry Regiment engages in probing action to draw enemy small arms fire northwest of Inje—Victory ship delivers cargo of 105-mm shells at Inchon for rapid delivery to front—On 16 July, as Kaesong peace parley is stalemated, Gen Ridgway gives final instructions to Admiral Joy at UN peace camp at Mussong (11 min—1951).

159 Korea, 22–29 July 1951—Situation map 29 July—Plan Switch executed by 24th Division (regimental combat team) to place false information in enemy hands—Washout of Imjin River bridge impedes passage of UN peace convoy—Peace negotiations at Kaesong (9 min —1951).

160 Korea, 29 July-5 August 1951—Situation map 5 August—Riflemen of 2d Division attack hill 1179 north of Yanggu—Fifth regiment combat team takes enemy hill near Chirpuri—Damaged M4 tank removed by tank retriever—UN engineers clear road of mines and roadblocks north of Yanggu—South Korean refugees gather on south shore of Han River for screening to re-enter Seoul—Rock-blasting mission by army engineers to widen pass near Inje—Violation of

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neutrality at Kaesong by presence of armed Chinese troops (19 min—1951).

161 Korea, 6–13 August 1951—Events dealing with defense efforts of free world—Erection of vhf station near Hamchon—C–119 cargo planes drop drums of napalm over Japanese target area in practice raid—Rescue of army officer marooned on section of ponton bridge adrift near Munsan peace camp—Vice Admiral Joy flies by helicopter to Kaesong as enemy presses charges of violation of conference site by UN bombers—Alpine and armored cavalry units carry out realistic maneuvers with equipment furnished by allied nations under MDAP—Other troops and naval units go through their paces in Bay of Naples—Italian armed forces keep abreast of modern methods of warfare (17 min—1951).

162 Korea, 13–19 August 1951—Turkish brigade commands main line sector of UN resistance northwest of Chorwon—At Yanggu in North Korea, 155-mm howitzers of 96th US field artilley go into action against enemy bunkers miles away—Mobile map reproduction unit of US Engineers produces tactical maps quickly and in quantity—Refrigerated vans transport frozen foods to forward ration points—Flight test on supersonic Bell X–5 *Flying Guppy*—Situation map 19 August—(15 min—1951).

163 Korea, 22–26 August 1951—Allies and Reds continue watchful waiting while peace talks remain suspended—In eastern sector ROK troops repulse communist attack with mortar and machinegun fire—Behind the lines, special MP units care for 180,000 prisoners taken since outbreak of hostilities—US Transportation Corps utilizes local labor and other resources in handling military and ECA supplies at Pusan Harbor—Stricken Koreans receive medical attention in UN hospital—Native medical personnel inoculate an entire village against typhoid and tetanus as part of UN's civil assistance program—Situation map 26 August (18 min—1951).

164 Korea, 27 August-2 September 1951—UN personnel arrive at Kaesong to investigate enemy charges of violation of conference site by UN bombers—B–29 superforts blast Pyongyang with 500-pound demolition bombs—Engineers of 3d Combat Battalion, 24th Division, construct aerial tramway in central Korean sector as field expedient in moving supplies and casualties—Situation map 2 September (11 min—1951).

165 Korea, 3–9 September 1951—Northwest of Yanggu, M4 tanks of 38th infantry regiment tank company support ROK infantrymen in taking hill 773—Psychological warfare unit in action—*Banshees* take off from carrier to support B–29 raid—Truce deadlock at Kaesong—Situation map 9 September (10 min—1951).

166 Korea, 10–16 September 1951—Company of 7th US Marines advances against the enemy north of Inje—Gunsight aiming point cameras record Mustang air strikes against enemy targets—Air Force tests on new B–61 pilotless bomber—Situation map 16 September (11 min—1951).

167 Korea, 17–23 September 1951—Long-range artillery unit of 3d Division bombards enemy during bad weather—North of Chorwon,

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65th infantry patrol is pinned down by automatic fire but achieves objectives and brings back prisoners—Situation map 23 September (13 min—1951).

168 Korea, 24–30 September 1951—First Division Marines engage enemy in Iron Triangle north of Yanggu—Operation marked by heavy air and artillery bombardment of communist strong points—Reclamation of shell cases by 619th Ordnance Ammunition Company—South of Kumsong, 24th and 25th Infantry Divisions seek out enemy resistance—Use of helicopters to land fully armed UN troops (14 min—1951).

169 Korea, 30 September-7 October 1951—Raider platoon of 25th Division probes Chinese position to obtain firing data for mortar teams—Hill 404 falls to 4.2 heavy mortar bombardment—North of Yongchong, tank-infantry team advances against enemy—Generals Ridgway, Bradley, and Van Fleet visit front—Airdrop supply mission executed by 8081 Quartermaster aerial supply and packaging company delivers supplies from Japan to front—Situation map 7 October (16 min—1951).

170 Korea, 8–14 October 1951—UN naval task force off Wonsan—Consolidation of position on hill 477—Recapture of hill 391—Mobile rocket launchers saturate target area at night with 4.5-inch rockets—Training of pigeons for messenger service—Spiral-four cable rehabilitation—US Air Force demonstration for American Ordnance Association (19 min—1951).

[C] 171 (18 min—November 1951).

172 Korea, 22–28 October 1951—Surrender of four delegates of North Korean forces—The arrival of former assistant Secretary of Defense Mrs Anna Rosenberg, at Yanggu for frontline visit—Situation map 28 October (12 min—1951).

173 Korea, 28 October-4 November 1951—Tank patrol aids infantry units in capture of hill beyond Heartbreak Ridge—F-51's engage in close tactical air support mission—B-26 crash-landing in combat zone—Peace negotiations behind lines—Situation map 4 November (10 min—1951).

174 The Korean Situation—Combat activities during the week 4–11 November 1951—Artillery FOB—Activities and mission of the first Artillery Forward Observation Battalion in Korea (13 min—1951).

[C] 175 (10 min—December 1951).

176 Korea, 19–25 November 1951—Situation man for period—Reconnaissance patrol directs artillery fire on eastern sector of front to destroy enemy bunker—Use of phosphorous grenade against another enemy bunker—Battery of 120-mm antiaircraft guns tracking targets visually and by radar at Kataki firing range in Japan—Airdrop tests of personnel and equipment at Echterdigen airfield, Germany, and in Japan (12 min—1951).

177 Exercise Desert Rock near Las Vegas, Nevada—Construction of forward area and emplacement of army equipment and materiel—Transportation of troops to viewing area—Bomb explosion—Troops watch mushroom cloud and feel blast—Return of troops to forward area to inspect materiel and equipment subjected to blast (29 min—1951—Instructor's Notes).

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178 Korea, 9–15 December 1951—Patrols and sporadic attacks by units of less than company strength—From smothering technique used to save burning C–47 transport—Demonstration of back-pressure airlift method of artificial respiration—Peace talks at Panmunjom (10 min—1952).

179 Korea, summary of fighting to January 1952—Role of UN naval units—Activities of US 7th fleet—Formosa, present seat of Nationalist China—Areas across Formosa Straits—Mission of 7th fleet to secure Formosa from attack—Twenty-four long-range naval patrols over danger area—Activities of PY4Y seaplane and P–28 land-based patrol plane—Land-based planes flying from Okinawa and the Philippines readied for patrol duty—Plane patrol missions free 7th fleet for action off coast of Korea (14 min—1951).

180 Korea, 17–23 December 1951—Limitation of ground action along the front to patrols and minor skirmishes as truce talks at Panmunjom enter a new phase with exchange of prisoner lists—UN naval forces continue to bombard east coast anchor of enemy's line below Wonsan—Squadron of Sikorsky helicopters ferries battalion of Marine replacements to hilltop on eastern sector of Korean front—US aircraft carrier *Midway*, refueled at sea, serves as home base for group of AJ–1 attack bombers—Quartermaster Corps specialists test new cold weather undergarment for the combat soldier (14 min—1951).

181 Korea, 24–30 December 1951—Ground-fighting brought to halt by knee-deep snow in most sectors—UN forces maintain and adjust positions while cease-fire talks continue at Panmunjom—Ethiopian infantry opens fire on enemy hill bunkers from new positions of vantage taken after a reconnaissance—Removal of critically wounded infantrymen from Punchbowl above Yanggu by litter, jeep, and helicopter to a mobile army surgical hospital behind the lines—Helicopter evacuation versus echelon evacuation—Screening and internment at Kurye of communist guerillas and suspected civilians by task force of ROK capitol division (9 min—1952).

182 Korea, 31 December 1951 through 6 January 1952—UN forces repulse enemy attack in area above Korangpo—Air warfare continues unabated—Talks at Panmunjom reach another stalemate—UN forces continue to harass enemy supply lines—Army postal service operations in the Far East—Channeling mail to the Korean battlefront (17 min—1952).

183 Korea, 1–13 January 1952—UN tactical air command steps-up operation Strangle—Sharp ground fighting in west central sector of the front—On east coast, UN naval surface units and carrier-based aircraft continue interdiction of enemy supply lines—Truce talks bog down at Panmunjom as Soviet Foreign Minister Andrei Vishinsky tries to shift negotiations into more direct channels of UN Security Council—Versatility of the US Army's light aviation plane—US Air Force speeds construction of five huge airbases in French Morocco (18 min—1952).

184 Korea, 14–20 January 1952—UN air sorties against enemy targets mount to the thousands as operation Strangle continues unabated—Ground fighting is restricted to minor patrol clashes—Truce talks

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continue deadlocked at Panmunjom over communist airfield issue—Two Red Cross representatives make surprise visit to PW camp in North Korea and are refused permission to enter—Conflict in Indo-China continues—French union troops and Vietnam forces fight bitter hit-and-run war with Vietminh insurgents (13 min—1952).

185 Korea, 21–27 January 1952—Operation Strangle—UN naval blockade of enemy supply lines—Artillery unit moves self-propelled 8-inch gun over icy Punchbowl Pass to ridgetop position on hill 1181, and fires directly into enemy bunkers—Truce talks remain deadlocked at Panmunjom—Paradrop by French Legionnaires from US Air Force C–82 Flying Boxcars outside Algiers—Characteristics of the C–82 (9 min—1952).

57. Training Films

Training films (TF) deal with approved Department of the Army doctrine. They cover specific topics and are intended for use at a definite time and place in the training programs.

TF No.

2–600 **Horsemanship—Part I: Saddling and Bridling**

Parts of saddle and bridle—Detailed instruction on blanketing, saddling, and bridling (24 min—1942—Film Reference).

2–601 **Horsemanship—Part II: Mounting and Military Seat**

Mounting, dismounting, and military seat—Actions and positions—Effects of poor seat on both horse and rider (30 min—1942—Film Reference).

2–602 **Horsemanship—Part III: Aids and Gaits**

Various gaits of horse—Aids used to obtain these movements (39 min—1942—Film Reference).

2–603 **Horsemanship—Part IV: Suppling Exercises**

Conditioning muscles and parts of body used most in riding (16 min—1942—Film Reference).

2–604 **Horsemanship—Part V: Jumping and Cross Country Riding**

Bold riding essential to successful cavalry operations—Practicing balance—The chute—Ditches—Big jumps—Cross country equitations (32 min—1942—Film Reference).

2–943 **Pack Transportation—Part I: Selection of the Animal**

Method of selecting the cavalry pack horse—Requirements regarding height, weight, and build of horse—Favorable and unfavorable points or characteristics (18 min—1942—Film Reference).

2–944 **Pack Transportation—Part II: The Pack Saddle**

Principal parts of cavalry pack saddle—Type of saddle used—Importance of proper placement and adjustment—Complete details of correct saddling procedure (17 min—1942—Film Reference).

2–945 **Pack Transportation—Part III: The Cargo Saddle**

Type of saddle used for various cargo lash-loads—Correct

TF No.

placement and adjustment of saddle—Method of loading, balancing, and securing supplies and weapons on cargo saddle (21 min—1942—Film Reference).

2–946 **Pack Transportation—Part IV: Field Adjustment and Carrying of Equipment**

Fundamentals of cargo and cavalry pack transportation—Various types of hanger loads and lash-loads—Methods of loading supplies and ammunition in hanger—Equipment used for lash-loads—Use of manta in wrapping supplies—Placing and securing the load (17 min—1942—Film Reference).

2–1130 **Scouting and Patrolling—Part I: The Mounted Scout, Horse**

Cavalry as an aid to infantry—Equipment necessary on scouting mission—Precautions—Approach of enemy—Importance of following instructions (35 min—1943—Film Reference).

2–1261 **Scouting and Patrolling—Part II: The Mounted Patrol, Horse**

Duties on reconnaissance missions—Movement of patrol by bounds—Formations permitting dispersion—Antiaircraft security—Procedure when advancing through woods—Reconnoitering a village—Taking prisoners—Messages to headquarters (18 min—1943—Film Reference).

2–1267 **Horsemastership—Care of Animals in the Field**

Complete care of horse by trooper in field—Rest periods—Inspection of hoofs, reins, cinches—Choosing a bivouac which provides protection, concealment and water (31 min—1943—Film Reference).

3–1164 **Construction of Gasproof Shelters in the Field**

Constructing an easy shelter that affords complete protection to troops in gassed areas (21 min—1943—Film Reference).

3–1341 **Storage and Handling of War Gases**

Proper methods of storing, handling, and transporting mustard gas, lewisite, phosgene, and chlorine (30 min—1944—Film Reference).

3–1407 **Decontamination Procedure—Part I: Basic Techniques**

Decontaminating agents—Proper use—Application (16 min—1945—Film Reference).

3–1496 **Technique of Using Smoke**

Basic principles which apply to tactical use of smoke—Typical situations where smoke is used advantageously for purposes of concealment and deception—Amphibious landing with subsequent inland fighting—Types of smoke dispensers used on the ground and in the air—Smoke for defensive purposes—Smoke used for military use (19 min—1949).

3–1719 **Chemical Smoke Generator Company**

Division chemical officer alerts company for mission—Preliminary reconnaissance indicates exact area to be screened—Company moves from bivouac to division assembly area—Security measures—Placing of units in position—Tour of

TF No.

inspection by division chemical officer—Generation of smoke—Effectiveness of smoke checked by ground and aerial observation—Fuel, supply, meteorological, maintenance, and communication sections—Other component parts of the company (19 min—1952).

3–1755 **The Chemical Decontamination Company**

Discussion of organization and mission of Chemical Decontamination Company—Designed to protect major installations, vital areas, and specialized equipment against hazardous effects of chemical, biological, and radiological attack—Methods used to decontaminate airstrip that has been attacked with chemical and HE bombs—Demonstration of various methods of decontamination (16 min—1954—Film Reference).

3–1766 **Individual Protection Against CBR Attack**

Chemical, Biological, Radiological Warfare is a deadly weapon of war; knowledge and training are required to overcome it—In three parts, this film shows how the individual can defend himself against CBR, detect it, and counteract it—First portion of film discusses chemical warfare—Characteristics of six gases—Their effects on the body—How to counteract them—Next portion of film explains how to detect germ-infested areas—Effectiveness of soap and water protective measures to prevent individual infection—Last portion of film deals with defense against atomic radiation underscoring the foxhole and use of soap and water as best defense measures—For individual protection against CBR attack gas mask, protective kit, protective clothing are recommended (23 min—1953—Film Reference).

3–2196 **The Employment of Toxic Chemical Agents**

Characteristics and effects of four major types of toxic chemical agents—Principles of their employment in defensive and offensive combat situations—Various methods of dissemination—Factors governing effectiveness of gas (26 min—1955—Film Reference).

3–2245 **Mixing and Evaluation of Flame Fuels**

Feature and use of thickened and unthickened fuel—Rule of thumb and weight formula for mixing—Safety factors—Testing of fuel (22 min—1956—Color—Film Reference).

4–640 **Care and Maintenance of the 90-mm Antiaircraft Gun—Part I: Routine Inspection**

Disassembling and oiling breechlock and firing mechanism (18 min—1943—Film Reference).

4–641 **Care and Maintenance of the 90-mm Antiaircraft Gun—Part II: Regular Inspection**

Daily inspection—Cleaning breech and firing mechanism—Checking bore and fuze setter—Preparing ammunition for use (19 min—1943—Film Reference).

4–642 **Care and Maintenance of the 90-mm Antiaircraft Gun—Part III: Routine Checks**

Traversing and elevating checks necessary for preparation

TF No.	
	of fire—Checking and changing oil in recoil and counterrecoil buffer system (29 min—1943—Film Reference).
4-644	**Care and Maintenance of the 90-mm Antiaircraft Gun—Part V: Firing, Safety Precaution, and Maintenance After Firing** Duties of each member of gun crew in preparing gun for firing—Handling of ammunition—Loading and firing of gun—Details of proper maintenance after firing (12 min—1943—Film Reference).
4-1103	**Principles of Radar Operation—Part II: Methods of Indicator Presentation** A, B, C, and PPI oscilloscopes—Variations of these basic scopes—Individual characteristics of range, azimuth, and elevation scopes (26 min—1944—Film Reference).
4-1144	**Care and Maintenance of the 90-mm Antiaircraft Gun—Part VI: Remote Control System M2** Orientation, synchronization in azimuth and elevation—Calibration corrections—Traversing and elevation mechanisms—Remote control system—Troubleshooting (23 min—1943—Film Reference).
4-1145	**The 90-mm Antiaircraft Gun—Part I: Emplacement, Using the Prime Mover** Positions, and sections of bogies, carriage, bogie frame, pedestal, bogie axle, bogie buffer, and trace in traveling position and emplacement of gun—Demonstration of gun emplacement—Teamwork of crew—Duties of section members (45 min—1943—Film Reference).
4-1146	**The 90-mm Antiaircraft Gun—Part II: Emplacement Without Use of Prime Mover** Duties of members of gun section when emplacing 90-mm gun without prime mover—Steps in approved sequence (30 min—1943—Film Reference).
4-1147	**The 90-mm Antiaircraft Gun—Part III: March Order** Meaning and execution of "march order" (30 min—1954—Film Reference).
4-1148	**The 90-mm Antiaircraft Gun—Part IV: Technique of Antitank Firing** Principles of antitank fighting—Factors involved in shooting at moving tank—Important points in antitank fire technique with the 90-mm AA gun (42 min—1943—Film Reference).
4-1149	**The 90-mm Antiaircraft Gun—Part V: Direct Fire Drill** Duties of each gun squad member—Shown in practice and under combat conditions (23 min—1943—Film Reference).
4-1271	**Controlled Submarine Mines—Part II: Planting Control Buoys and Laying Shore Cable** Marking buoys used to locate mine group within minefield—Planting control buoys with distribution box boat and yawl—Laying shore cable with mine planter—Cable laid in two sections joined by watertight joint and junction box—Making watertight joint—Planting stern anchor for DB boat (29 min—1944—Film Reference).

TF No.

4-1272 **Controlled Submarine Mines—Part III: Planting Ground Mines**

Loading mines, cables, and accessories aboard planter—Connecting mine cables and raising ropes to their respective mine prior to planting—Method of planting—Safety precautions (25 min—1943—Film Reference).

4-1273 **Controlled Submarine Mines—Part IV: Planting Buoyant Mines**

Loading equipment aboard the mine planter—Loading and planting buoyant mines (21 min—1943—Film Reference).

4-1274 **Controlled Submarine Mines—Part V: Preparing and Planting the Distribution Box**

Operations aboard DB boat during planting of group of mines—Removal of marking buoys after group has been planted and tested (21 min—1943—Film Reference).

4-1275 **Controlled Submarine Mines—Part VI: Operation of the Mine Field**

Duties of range section—Observation instruments, plotting board, and communication system between observation stations and plotting room—Plotting course of ship through minefields —Use of mine predictor in observation fire—Operation of mine control system in casemate—Setting systems—Emergency mine control system—Audio reception center (34 min—1944—Film Reference).

4-1276 **Controlled Submarine Mines—Part VII: Maintenance and Renovation of Underwater Equipment**

Picking up distribution box and two types of mines—Duties of planting section—Renovation of faulty ground and buoyant mine equipment—Testing instruments for faulty cable—Mine cases unloaded—Equipment disassembled—Cases renovated—Tests of firing devices, coil roads, and underwater equipment—Component parts of minefield reassembled—Renovation of mooring rope and buoyant mine anchors (44 min—1944—Film Reference).

4-1277 **Controlled Submarine Mines—Part I, Section I: Preparation of Ground Mine Underwater Equipment**

Personnel division of mine battery—Shore sections—Submarine ground mine—Case assembly for planting—Standard ground mine assemblies—Preparation of cable, raising ropes, buoy ropes, mine buoys, control buoys, and distribution boxes—Assembly of buoyant mines by use of figure eight (47 min—1944—Film Reference).

4-1278 **Controlled Submarine Mines—Part I, Section II: Preparation of Buoyant Mine Underwater Equipment**

Planting mines—Anchoring equipment—Controls for each mine—Mine cables—Figure eight coil—Insulation and conductor resistance of cable—Cleaning—Loading of mine cases with TNT—Safety precautions—Functioning, preparation, assembly, and installing compound plug—Assembly of mine cap (19 min—1944—Film Reference).

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TF No.	
4–1280	**The Multiple Machine Gun Mounts—Part I: Operation and Maintenance** Mount in action—Defense against low flying planes—Servicing and maintenance (39 min—1944—Film Reference).
4–1292	**The Multiple Machine Gun Mounts—Part II: Drill and Firing** Inspection of mounts on half-track vehicle before going into operation—Locating target—Firing—Teamwork, speed, and precautionary measures (31 min—1944—Film Reference).
4–1293	**The Directors M9 and M10—Part I: Emplacement and March Order** Assembly for emplacement—Dismantling for march order—Trucks equipped for hauling this material—Crew's duties (33 min—1944—Film Reference).
4–1294	**The Directors M9 and M10—Part II: Orientation and Synchronization** Detailed explanations of orientation and synchronization—Orientation in elevation—Method of synchronizing the director (13 min—1955—Film Reference).
4–1305	**The 120-mm (4.7-inch) Antiaircraft Gun—Part I: Going into Position** Six steps of going into position (37 min—1944—Film Reference).
4–1306	**The 120-mm (4.7-inch) Antiaircraft Gun—Part II: March Order** All steps from firing position to preparing gun for march order (24 min—1944—Film Reference).
4–1307	**The 120-mm (4.7-inch) Antiaircraft Gun—Part III: Preparation for Firing** Preparation for firing—Examining gun—Checking orientation, synchronization, and operation—Report (31 min—1944—Film Reference).
4–1308	**The 120-mm (4.7-inch) Antiaircraft Gun—Part IV: Inspection of Ammunition and Firing** Ammunition squad inspects and prepares ammunition—Drill of gun section and service of piece during firing (23 min—1944—Film Reference).
4–1323	**Siting of Gun Laying Radar Sets** Preparation of clutter and coverage diagrams—Use in determining operating position for gun laying radar (33 min—1944—Film Reference).
4–1324	**The Radio Set SCR–584—Part I: Emplacement and March Order** Emplacement and preparation for travel—Spotting trial fires principal use of set (39 min—1944—Film Reference).
4–1325	**The Radio Set SCR–584—Part II: Tracking Targets** Indicator presentation, searching, and tracking—Duties of each operator—Picking up, tracking, and reporting assigned target—Operating procedure (16 min—1944—Film Reference).

TF No.	
4–1363	**Radar Spotting of Trial Fire—SCR–584** Preliminary steps taken in spotting trial fire—Tracking projectile on range indicator (9 min—1944—Film Reference).
5–200	**Pioneer Equipment—Woodcutting Tools** Types of woodcutting tools used by pioneer troops—Purpose and use (10 min—1941—Film Reference).
5–201	**Pioneer Equipment—Manila Rope** Use of various sizes of manila rope—Characteristics—Care of rope (7 min—1941—Film Reference).
5–202	**Pioneer Equipment—Hitches** Demonstration of half, clove, timber, rolling, mooring, catspaw, and blackwall hitches (8 min—1941—Film Reference).
5–203	**Pioneer Equipment—Knots and Bends** Demonstration of overhand, figure eight, square, sheet bend, doublesheet bend, anchor, sheepshank, bowline, running bowline, and bowline on the bight knots—Bends and their uses (15 min—1941—Film Reference).
5–322	**Pneumatic Paving Breaker** Principle, mechanism, assembly, operation, use, and care of Thor pneumatic paving breaker (24 min—1942—Film Reference).
5–571	**Air Compressor and Air Tools—The Pneumatic Rock Drill M75** Mechanical action, operation, lubrication, and maintenance—Details of rotating type Thor sinker rock drill (19 min—1942—Film Reference).
5–623	**Air Compressor and Air Tools** Use, operation, and maintenance of motorized air compressor and tools—Importance of compressor to engine units in modern warfare—Rock drill—Paving breaker—Clay digger—Nail driver—Woodboring machine—Circular saw—Chain saw (21 min—1942—Film Reference).
5–697	**Air Compressor and Air Tools—The Pneumatic Clay Digger** Purpose, correct usage, and functioning of clay diggers—Disassembly and assembly—Routine checks (14 min—1943—Film Reference).
5–698	**Air Compressor and Air Tools—Part V: The Pneumatic Wood Borer** Field use of wood borer—Bridge building—Placing explosives in tree and stumps (9 min—1943—Film Reference).
5–699	**Air Compressor and Air Tools—Part VIII: The Pneumatic Nail Driver** Technique of driving spikes and nails with nail driver in bridge construction (17 min—1943—Film Reference).
5–954	**Enemy Booby Traps** Booby traps—Damaging effects—Construction—Placement methods and firing mechanisms (27 min—1943—Film Reference).

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5–955	**Air Compressor and Air Tools—Part VI: The Pneumatic Circular Saw** Circular saw in field and combat conditions—Clearing roadblocks—Easily transported and quickly set up for use (20 min—1943—Film Reference).
5–956	**Air Compressor and Air Tools—Part VII: The Pneumatic Chain Saw** Uses of saw—Lubrication—Periodic maintenance (16 min—1943—Film Reference).
5–961	**Camouflage For All Arms** Individual concealment—Natural and artificial camouflage of men and equipment (British film) (47 min—1943—Film Reference—From British Film BC 139).
5–1152	**Carpentry—Part I: Measuring, Marking, and Leveling** Use of carpentry tools—Precautions (12 min—1943—Film Reference).
5–1153	**Carpentry—Part II: Driving and Chopping** Principles of design of hand hatchet, adze, claw hammer, sledge hammer, and maul—Correct use and maintenance (13 min—1943—Film Reference).
5–1154	**Carpentry—Part III: Sawing and Boring** Principles of design of crosscut saw, rip saw, brace, and bit—Correct use and maintenance (16 min—1943—Film Reference).
5–1155	**Carpentry—Part IV: Planing and Chiseling** Jack plane demonstrated, dismantled, reassembled, and blade sharpened—Correct and incorrect handling of tools (14 min—1943—Film Reference).
5–1169	**Military Roads and Runways—Part I: Clearing, Grubbing, and Rock Work** Preliminary clearing—Grubbing by use of explosives and mechanical means—Rock work done by *snake-holding*, *mudcapping*, and *block-holing*—Blasting methods used on high vertical and low shallow rock ledges (14 min—1943—Film Reference).
5–1181	**Infantry Support Raft** Engineers build ponton rafts on river bank—Raft as transportation for heavy vehicles across unfordable streams (17 min—1943—Film Reference).
5–1190	**Military Roads and Runways—Part II: Bases and Untreated Surfaces** Improving road bases by adding proper materials for stabilization (10 min—1943—Film Reference).
5–1192	**Military Roads and Runways—Part IV: Soils, Cement Surfaces** Various methods of constructing roads and runways (12 min—1943—Film Reference).
5–1193	**Military Roads—Part I: Road Expedients** Expedient methods of road construction in marshy and sandy soils—Use of corduroy, wire mesh, and other materials (21 min—1943—Film Reference).

TF No.	
5–1194	**Military Roads—Part II: Drainage** Importance of drainage—Providing necessary crown—Constructing ditches and open and covered culverts (12 min—194 —Film Reference).
5–1197	**Military Roads—Part V: Subgrade Preparation** Planning earth-moving operations to create best possibl subgrade—Mixing sand and clay to obtain optimum subgrad —Locating subgrade to prevent failure from water—Creatin artifical subgrade on marshy ground (9 min—1943—Fil Reference).
5–1198	**Military Roads—Part VI: Gravel and Rock Surfaces** Principles of gradation—Selection of materials—Placin materials on road base (8 min—1943—Film Reference).
5–1226	**The Double Apron Fence** Erection of double apron fence—Construction layout—Technique of using both reels and bobbins of barbed wire—Thre basic methods of erecting a barbed wire fence (15 min—1943—Film Reference).
5–1242	**Assault Boat River Crossing** Coordination between infantry and engineer boat crew using M2 assault boats (17 min—1943—Film Reference).
5–1270	**Map Reading, British Conventional Signs and Symbols** Evolution of modern maps—Meanings of symbols on Britis standard ordnance survey map (21 min—1944—Film Referenc —From British Film BC 358).
5–1301	**Fundamentals of Demolitions** Combat and noncombat demolitions—Sensitivity, packagin appearance, and use of TNT—Demolition blocks M2—Chai demolition blocks M1—Composition C2—Catering charge—Nit starch—Dynamite—Capping and priming the various explosives (36 min—1944—Film Reference).
5–1364	**Steel Treadway Bridge M2—Part I: Floating Bridge Construction** Construction of the M2—Farshore to nearshore method c construction—Other methods briefly considered (26 min—194 —Film Reference).
5–1365	**Steel Treadway Bridge M2—Part II: Raft and Fixe Bridge Construction** Use of M2 in constructing rafts and bridges of various size spans (12 min—1944—Film Reference).
5–1377	**Explosives and Demolitions—Bangalore Torpedo** Assembly of torpedo—Characteristics and operation—Placing and setting off the charge—Improvising a bangalore torped (9 min—1944—Film Reference).
5–1408	**Engineer Road Graders** Operation and use of motorized and towed-type road grade —Cutting V-type and flat-bottom ditches—Blade positions (1 min—1945—Film Reference).
5–1414	**Handling of Boats and Pontons in Swift Currents** Loading boat—Shoving off from a bank—Paddling—Balan

TF No.

ing load—Operation of boat at correct angle to current—Three-man reconnaissance boat operation (13 min—1945—Film Reference).

5–1415 **Operation of Rafts**

Effective operation of rafts in swift currents—Infantry support raft used as example (15 min—1954—Film Reference).

5–1441 **The Floating Bridge M4—Part II: Assembly of the Bridge**

Construction of a 300-foot M4 bridge—Anchorage problems —Installation of end sections—Filling the gap with successive pontons and rafts (22 min—1945—Film Reference).

5–1442 **The Floating Bridge M4—Part III: Rafts**

Construction of four-ponton rafts—Basic raft in long bridge construction—Use of long raft to ferry bridge vehicles—Attaching powerboat to rafts (10 min—1945—Film Reference).

5–1546 **Multiplex Mapping—Part II**

Multiplex method of producing accurate topographical maps from aerial photographs—Process of converting three-dimensional aerial photographs into topographical maps (40 min—1949—Color).

5–1549 **Multiplex Mapping—Part I**

Method of producing topographical maps from photographs —Advantages of aerial maps and conversion into topographical maps—Obtaining dispositives from aerial photographs and using multiplex projector to obtain stereographic views of aerial maps for conversion into topographical maps—Procedure (26 min—1949—Color).

5–1676 **Basic Engineer Reconnaissance**

Functions of ground and air engineer reconnaissance units—Importance of knowing what to look for, paying attention to detail, and use of ingenuity and imagination in engineer reconnaissance (26 min—1952—Film Reference).

5–1688 **The Army Engineer**

The activities and objectives of the Corps of Engineers—Brief history—Typical responsibilities and achievements (22 min—1953).

5–1770 **Detector Set, Metallic Mines, Polly Smith**

This film presents *Polly Smith,* a development in antitank and antipersonnel mine detection equipment—It is lighter to carry, easier to maintain, can be operated on land and underwater, facilitates troop movement, and saves men and equipment (28 min—1953—Film Reference).

5–1774 **Operator's Adjustments D–7 Tractor—Part I—Adjusting the LeTourneau Power Control Unit**

Showing that operation of the D–7 Tractor depends on proper adjustment of the unit—How to recognize and correct common causes of power control unit trouble (11 min—1953).

5–1784 **Asphalt Mixing Plant Set (Barber-Greene Model 848)**

Discussing equipment design, mechanical operation, high-capacity production and suitability for all types of bituminous mixtures—Bituminous construction—Properties, ingredients,

TF No.

and uses of the various types of mix—Road mix, intermediate mix, and high-type mix—Operational knowledge and maintenance procedures of equipment essential to maximum efficiency (38 min—1952—Color—Distribution limited to ZI—Commercial Adaptation).

5–1785 **Model 879A Finisher**

The Barber-Greene Asphalt Finisher lays roads and runways for high-speed traffic—Discussion of characteristics, function, and mechanical operation—Characteristics of component parts (15 min—1952—Color—Distribution limited to Engineer Units in ZI—Commercial Adaptation).

5–1788 **Basic Map Reading—Part I: Topographic Symbols**

How to identify natural and man-made ground features by representative topographic symbols (18 min—1953—Film Reference).

5–1789 **Basic Map Reading—Part II: Elevation, Distance, and Grid**

Showing how to interpret contour lines in terms of measuring height and determining character of slopes—How to measure distances by map and graphic scales—Military grid system explained (27 min—1953—Film Reference).

5–1790 **Basic Map Reading—Part IV: Direction, Orientation, and Location Without Compass**

Step-by-step explanation for determining direction, orientation, and location without compass—How to orient the map and identify map symbols, compute distances—How to determine own position by ground features and distant objects—Locating objects on the map—Use of horizontal and vertical lines—Determining course by position of sun and stars—Locating enemy objects—Travel in strange terrain (21 min—1953—Film Reference).

5–1791 **Basic Map Reading—Part III: Direction, Orientation, and Location with Compass**

Illustrating how the compass is used to orient the map, locate one's own position, locate distant objects, travel across country by day and at night (33 min—1953—Film Reference).

5–1792 **Basic Map Reading—Part V: Photos and Photomaps**

Showing how to identify terrain features on photographs and photographic maps—How to orient a photograph correctly—Identifying objects by size, shape, shadow, relative tone, and relation to surrounding features (23 min—1953—Film Reference).

5–1804 **Location and Construction of Road Obstacles**

Purpose, employment, location, and construction of road obstacles—Characteristics and application of various types of obstacles—Erection of a mine road block (22 min—1955—Film Reference).

5–1817 **Construction of 10,000 Barrel Bolted Steel Tanks—Part I: Foundation, Bottom, and Sidewalls**

Detailed description of construction and installation of huge

TF No.

tanks for storage of petroleum required by pipeline system needed to support army's mechanized campaigns (16 min—1954—Film Reference).

5–1822 **Beach Obstacles**

Showing the purpose, types, employment, and construction of beach obstacles—Emphasizing the planning, selection, construction, location, and use of the various offshore, tidal zone, and shore obstacles (22 min—1953—Film Reference).

5–1826 **Operator's Adjustments D–7 Tractor—Part II—Steering Clutch and Brake**

Proper steering techniques—How to detect steering clutch and brake troubles—How and when to make corrective adjustments (11 min—1953—Film Reference).

5–1827 **Operator's Adjustments D–7 Tractor—Part VI— Caterpillar Cable Control Unit**

How to operate the caterpillar cable control unit—How to detect and correct operational trouble—Cable control clutch and brake adjustments (8 min—1953—Film Reference).

5–1828 **Operator's Adjustments D–7 Tractor—Part III—Flywheel Clutch and Starting Engine Clutch**

How to detect and correct flywheel clutch troubles—Methods of detecting and correcting malfunctioning of starting engine clutch (8 min—1953—Film Reference).

5–1829 **Operator's Adjustments D–7 Tractor—Part IV—Fan Belt and Water Pump**

Teaching the proper procedures for checking and adjusting the fan belt and water pump—Proper maintenance of the equipment insures maximum efficiency (8 min—1953—Film Reference).

5–1830 **Operator's Adjustments D–7 Tractor—Part V—Tracks**

Showing the methods, procedures, and tools used to check and adjust the tracks—Importance of proper maintenance for smooth dozer operation (7 min—1953—Film Reference).

5–1862 **Military Pipeline Operations—Part I—Laying Pipelines**

Demonstrates the laying of typical military pipeline—Stovepipe and grasshopper methods of laying pipe—Cold and hot bending pipe (19 min—1954—Film Reference).

5–1863 **Military Pipeline Operations—Part II—Installation of Pumping Stations**

How to erect a pumping station, the heart of the pipeline system—Pumping stations provide the energy for smooth uninterrupted flow of fuel (17 min—1954—Film Reference).

5–1864 **Military Pipeline Operations—Part III—Operation and Maintenance of Pipeline Systems**

Three districts of military pipeline systems—Operation and maintenance by engineer pipeline company—Operation of pumping station (10 min—1954—Film Reference).

5–1898 **Construction of 10,000 Barrel Bolted Steel Tanks—Part II—Center Support, Deck, Valves, and Vents**

Continuation of TF 5–1817 (9 min—1954—Film Reference).

TF No.	
5–1996	**Bridge-Panel Bailey Type M–2—Part I—Site Preparation and Layout** Standard types of Bailey bridges—How they can be identified —Preparation of site and layout of rollers for construction of the 90-foot, single span, single story Bailey bridge—Assembling the bridge (17 min—1955—Film Reference).
5–1997	**Bridge-Panel Bailey Type M–2—Part II—Basic Construction** Basic procedures for erecting a 90-foot double truss Bailey bridge—Importance of teamwork and safety precautions are underscored (37 min—1955—Film Reference).
5–1998	**Bridge-Panel Bailey Type M/2—Part III—Multistory Construction** Showing how to erect multistory bridges—Depicts erection of a partial story reinforcement, a triple truss double story, and a three-story bridge—Basic assembly procedures are the same for the single story and multistory construction except that heavy constructions require more men and parts (25 min —1955—Film Reference).
5–2103	**Timber Trestle Bridge** Construction of a Class 60, timber trestle bridge—Selecting and layout of bridge site—Unloading and arranging construction materials—Excavating for foundation—Erecting sub and super structures (17 min—1955—Film Reference).
5–2105	**Aluminum Floating Footbridge** Purpose, characteristics, capabilities—Step-by-step procedures involved in the construction of the bridge (19 min—1955 —Film Reference).
5–2106	**Bridge, Floating, Pneumatic Float, Class 60, Steel Superstructure—Part I—Bridge Assembly** Two methods of assembly—Joining complete single bays and assembly of two float sections—Stress on safety measures during construction (35 min—1956—Film Reference).
5–2107	**Bridge, Floating Pneumatic Float, Class 60, Steel Superstructure—Part II—Rafts** Features of various types of pneumatic rafts—Construction of the 4-, 5-, and 6-float rafts—Installation of ramps, deck panels, filler and ramp tread panels—Loading rafts—Moving rafts across stream—Responsibilities of rafting crews (16 min —1955—Film Reference).
5–2108	**Bridge, Floating, Pneumatic Float, Class 60, Steel Superstructure—Part III—Fixed Spans** Erection of 75′ span—Centerline abutment sill and footing, trestles, decktread, fillers and ramp panels, guy lines, and hand rail posts (17 min—1956—Film Reference).
5–2282	**Demolitions, M–10 Universal Destructor** Features and components of the M–10—How it is used with adapter, M–1 and M–3 firing devices, 16-mm mortar shell, and 105-mm projectiles (7 min—1956—Film Reference—Distribution to Army film and equipment exchanges in CONUS and overseas).

TF No.	
5–2294	**Construction of General Cargo Aerial Tramway (Ship-to-Shore)** Use of tramway in logistical operations—Assembly and emplacement of major components (37 min—1956).
6–1072	**The 155-mm Gun M1—Part I: Nomenclature of the Piece** Setting up and emplacing gun for firing—Operations explained (26 min—1943—Film Reference).
6–1227	**Laying the Field Artillery Battery** Teaching and standardizing procedures in laying a field artillery battery (15 min—1943—Film Reference).
6–1498	**Field Artillery Sight Tests and Adjustments** Function and techniques of testing and adjusting field artillery sighting equipment with 105-mm howitzer equipment (27 min—1949—Film Reference).
6–1533	**Countermortar** Countermortar methods of locating enemy mortar—Forward observers—Air observation and photographs—Analysis of craters—Countermortar radar—Electronics observation posts—Prisoner interrogation—Relaying information to division artillery—Setting up fire mission to neutralize enemy mortars (25 min—1949).
6–1657	**Artillery Survey** Methods and techniques of artillery survey—Equipment and personnel—Traverse, triangulation, and target area base—Resection, inspection, and astronomic observation—Typical field artillery battalion survey party executing a grid sheet survey—Various phases of planning, field work, computation, and plotting—Importance of accuracy in surveys (32 min—1951).
6–1678	**Artillery Orientation by Sun and Star—Part I: The Altitude Method** Determination of true direction by altitude method of solar observation—Measurement of angles to sun, corrections for parallex, refraction, and solution of celestial triangle based upon observer's latitude plus altitude and declination of sun (25 min—1951).
6–1679	**Artillery Orientation by Sun and Star—Part II: The Hour Angle Method** Determination of true direction by hour angle method of celestial navigation (10 min—1950—Film Reference).
6–1686	**Crater Analysis** Operation and techniques of crater analysis—Determination of enemy weapon and location by crater analysis resulting from shellfire—Method of relaying information to rear—Correlation of crater analysis with additional sources of information as a basis for counterfire and countermortar missions (21 min—1952).
6–1696	**Fire Direction Procedure—Part I: Precision Fire** Procedures of fire direction center in precision registration of 105-mm howitzer battalion—Techniques common to all fire direction activities—Proper methods in announcing and transmitting data (37 min—1952).

TF No.

6–1697 **Fire Direction Procedure—Part II: Area Fire**

Mission No. 1: Requests base point using percussion fuze—Plotting target—Sending fire commands to batteries—Adjusting battery fires—Converting observer's corrections into new fire commands—Firing by battalion for effect—Data for replotting provided by Baker computer and vertical control operator.

Mission No. 2: Where observer's location is known—Time fuze adjustment—Calculation of 20/R by computer to obtain air burst—Handling of corrections for height of burst.

Mission No. 3: Request for unobserved fire from higher headquarters for area fire, time fuze, range spread of ½-C apart with coordinate location of target given (35 min—1952).

6–1703 **Fire Direction Procedure—Part III: Observed Firing Chart**

Observed firing chart principles—When surveyed chart is not available—Fire direction center and firing batteries ready for action—Live action steps in preparing grid sheet—Horizontal control operator—Use of temporary chart—Applying registration data to charts (31 min—1952).

6–1757 **Field Artillery Radar**

Discussing and illustrating tasks that can be accomplished by radar units organic to field artillery—Importance of weapons location—Detection of enemy mortar shell—Tracking second shell by radar with direct-support battalion—Location and destruction of enemy mortar location (22 min—1953—Film Reference).

6–1775 **Field Artillery Sound Ranging**

The mission, capabilities, limitations, and operation of sound ranging platoons of the field artillery observation battalion—Locating enemy artillery—Registering friendly artillery—Using sound-on-sound adjustment (23 min—1953—Film Reference).

6–1813 **Field Artillery Reconnaissance, Selection and Occupation of Position—Part I: From Rendezvous**

Principles and procedures for planning the field artillery reconnaissance, selection, and occupation of position, from the rendezvous through to the start of firing by the battery (31 min—1953—Film Reference).

6–1814 **Field Artillery Reconnaissance, Selection and Occupation of Position—Part II: From the March**

A combat situation showing field artillery reconnaissance, selection, and occupation of firing position from the march (22 min—1953—Film Reference).

[S–RD] 6–1897 **The 280-mm Atomic Artillery Projectile (U)**

(25 min—1953).

6–1962 **Service of the Piece, 280-mm Gun**

Atomic capability of the 280-mm gun—How the weapon is serviced—Duties and responsibilities of the gun crew—Emplacement and firing—Reduction of malfunction (34 min—1955—Film Reference).

TF No.	
6–1991	**Service of the Piece—105-mm Howitzer** Capabilities—Uncoupling the piece—Preparing for action—Fire commands the fuze settings—Care and cleaning of the weapon—Coupling and locking weapon into position for travel (34 min—1955—Film Reference).
6–2201	**The Field Artillery Observation Battalion** How battalion gathers reports, and evaluates information to accomplish target acquisition (22 min—1956).
6–2258	**Introduction to Flash Ranging** How flash ranging platoon spots and reports targets and battlefield information to artillery units—Capabilities and limitations of flash ranging (18 min—1956).
7–680	**Ski Safety** Ski safety precautions against excessive speed, faulty waxing, improperly adjusted bindings, and pack equipment—Remedies for overheating, sunburn, and snow blindness (21 min—1942—Film Reference).
7–681	**Ski Safety—First Aid and Emergency Repair of Equipment** First aid for various types of ski accidents—Correct methods of handling and removing injured—Emergency repair of equipment (41 min—1942—Film Reference).
7–993	**Infantry Hasty Field Fortifications—Part I: Individual Intrenchments** Effective procedures in digging intrenchments under fire—Preparing temporary stands in field combat—Individual trench or foxhole, spider hole, prone shelter or slit trench—Effective camouflage of individual intrenchments (22 min—1943—Film Reference).
7–1094	**Rifle Marksmanship With the M1 Rifle, Preparatory Training—Part III: Trigger Squeeze** Exercises used for taking up trigger slack and applying smooth, even pressure while firing a rifle—Results of uneven pressure on trigger—Complete method of checking eye reaction, trigger squeeze, and body position of man firing rifle (20 min—1943—Film Reference).
7–1100	**Rifle Marksmanship With the M1 Rifle, Preparatory Training—Part V: Elevation and Windage** Principles of elevation and left and right windage—Correct methods of adjusting front and rear sights of M1 rifle to normal deflections of elevation and windage—Manner of determining wind velocity and amount of elevation which must be added to obtain bullseyes (34 min—1943—Film Reference).
7–1131	**Infantry Hasty Field Fortifications—Part II: Emplacement of the Light and Heavy Cal .30 Machine Gun** When, where, and how, to dig emplacements for light and heavy cal .30 machine guns—Types of foxholes, their particular use, and how to camouflage them during digging and after completion (20 min—1943—Film Reference).

TF No.

7–1263 **The Bayonet Fighter**
Use of bayonet—Confidence in its uses—Various positions—Individual and group assault tactics (21 min—1943—Film Reference).

7–1303 **Stream-Crossing Expedients—Part I: Crossing of Personnel**
Improvised methods by which infantrymen can get themselves and their equipment across a stream when engineers are not available (16 min—1944).

7–1304 **Stream-Crossing Expedients—Part II: Flotation of Weapons, Equipment, and Vehicles**
Flotation of vehicles and heavy weapons across streams—Construction of raft made from canvas cover of weapons carrier, braced by truck bows or saplings—Its use to transport weapons, ammunition, and equipment of a mortar or machine gun—Large truck wrapped up and floated across stream (15 min—1944—Film Reference).

7–1475 **Military Rock Climbing—Technique of Climbing**
Organization of the two- and three-man climbing teams—Climbing equipment and its correct use—Teams climbing and descending various types of formations—Types of holds—Knots to be tied—Emphasis on individual attention and judgment for each rock (32 min—1948—Film Reference).

7–1480 **Military Rock Climbing—Movement of Combat Units**
Procedures for moving and operating with certain types of equipment in mountain areas—Individual rock climbing—Safety factors—Use of field expedients—Methods of handling organizational equipment in difficult terrain—Transporting sick and injured (31 min—1948—Film Reference).

7–1506 **The Reinforced Rifle Platoon in the Attack of a Built-up Area—Part I: Tactics and Techniques**
Composition of squadron—Organization tactical plan, and weapons used in attack—Procedures detailed (22 min—1954—Film Reference).

7–1507 **The Rifle Platoon in Attack on Fortified Positions**
Fortified positions from Great Wall in China to Maginot and Siegfried Lines of WW II—Neutralization of fortified positions—Establishment of fortified positions, site, and construction—Rifle platoon destroying an enemy pillbox (30 min—1950—Film Reference).

7–1518 **Summer Mountain Movements and Bivouacs**
Training methods and standards used to overcome special problems of troops and materiel in mountains during summer—Marching techniques—Substitution of animals for motor vehicles—Variety of bridges—Difficult hazards—Choice and defense of bivouac (26 min—1949—Film Reference).

7–1521 **The Rifle Company in the Attack**
Details of tactics and weapons used by rifle company during regimental advance—Emphasizes concept of team (air observers, engineers, tanks, artillery) formed for purpose of coordinated effort in battle (35 min—1950—Film Reference).

TF No.	
7–1522	**Counterfire** Primary purpose of this film is to illustrate the value and the how and why of shell reporting—Methods of locating enemy artillery—Sound locating equipment, aerial photographs, and interrogation of prisoners—Fire mission under orders to neutralize enemy artillery—Order based on counterfire officer's information (13 min—1950—Film Reference).
7–1539	**Dangerous Journey** Two survivors of combat patrol complete scouting mission into enemy territory—Systematic plan of action—Details of individual camouflage, cover, and concealment during day and night (46 min—1949—Film Reference—From British Film BC 1009).
7–1542	**The Heavy Weapons Company in Attack** Heavy weapons company supporting battalion attack—Typical day of combat—Battalion warning order, company reconnaissance, battalion approval of company's plan of action, battalion attack order followed by company, platoon, and section attack orders—Reconnaissance—Organization and tactical use of heavy weapons company—Firepower of light and heavy machine guns, 75-mm rifles and 81-mm mortars—Effect of massed firepower of entire company on single target (30 min—1950—Film Reference).
7–1550	**Combat in Deep Snow and Extreme Cold** Techniques of combat under conditions of deep snow and extreme cold in forested areas of Arctic—Infantry rifle company on 2-day combat mission in enemy territory—Applicable techniques and survival methods (21 min—1950).
7–1642	**The Reinforced Rifle Platoon in the Attack of a Built-up Area—Part II: The Attack** Depicts tactical planning, preparation, and execution of an attack on enemy held town by reinforced rifle platoon—Advantages of surprise, firepower, and teamwork (35 min—1954—Film Reference).
7–1681	**Infantry Weapons Against Tanks** Use of various antitank weapons of infantry company and battalion—The 105-mm and 57-mm recoilless rifles, 3.5-inch rocket launcher (bazooka), and 81-mm mortar—Use of antitank mines and tank booby traps—Rifle grenades, white phosphorous rifle and hand grenades, thermite grenades, Molotov cocktails, flamethrowers, machine guns, and rifles—Vulnerable features of tanks (21 min—1950—Film Reference).
7–1709	**Troop Movement by Motor** Presenting the details incident to planning and executing a motor march—Explaining by action and animation the various types of motor movements, organization, and mission of reconnaissance and quartering parties, preparation of the march table, distribution of nonorganic trucks, organization of motor serials and march units, and route control with march halts (34 min—1953—Film Reference).

TF No.

7-1710 **Foot Marches**

Training men in foot march techniques—Illustrating duties and responsibilities of officers and men before, during, and after the march—Importance of careful supervision—Topics treated include importance of careful supervision, detailed preparation for and execution of the foot march in combat—Success depends on pride of unit and leadership (23 min—1952—Film Reference).

7-1714 **Reconnaissance Patrols**

Type of terrain best suited for daylight and nighttime reconnaissance patrols—Operation of a night reconnaissance patrol to detect and report certain information on the enemy in a given sector prior to a major attack—Planning and mission of the patrol—Camouflage of men—Selection of equipment and route—Report by patrol leader to battalion command post upon accomplishment of mission (32 min—1951—Film Reference).

7-1717 **The Infantry Battalion in Defense—Part I**

Corps headquarters receivers report of impending aggressor attack—How an overall plan of defense evolves—Duties of division, regimental, and battalion commanders—Seven principles of defense (34 min—1952—Film Reference).

7-1718 **The Infantry Battalion in Defense—Part II**

Depicting actual conduct of defense when superior enemy firepower forces withdrawal—Redisposing company elements—Ability of infantry to hold at all costs is the decisive element between the enemy and the objective—Mass firepower—Close combat—Counterattack strategy (21 min—1952—Film Reference).

7-1729 **Observation of Mortar Fire by the Combat Soldier**

Theory and application of forward observation of mortar fire—Basic factors of forward observation—Relation of observer to computer—Mil relation—Bracketing and creeping methods of adjustment—Rectangle of dispersion and its significance in adjusting fire—Firing for effect—Elements of initial fire request (40 min—1955—Film Reference).

7-1743 **The Rifle Platoon in a Night Withdrawal**

Withdrawals are made to avoid unfavorable battle conditions—This training film details specifically the planning, preparation, and execution of control measures necessary to insure a successful night withdrawal (37 min—1952—Film Reference).

7-1745 **The Reinforced Infantry Battalion in the Attack—Part I: Planning the Attack**

Coordination and planning necessary prior to an attack mission by a reinforced infantry battalion (31 min—1952—Film Reference).

7-1746 **The Reinforced Infantry Battalion in the Attack—Part II: Conduct of the Attack**

Showing the planning, coordination, and tactical strategy a

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reinforced infantry battalion employs in an attack mission—Briefings—Preparational procedures—Use of rifle companies, artillery, mortar, tactical air and tank fire, and infantry-tank teams (27 min—1952—Film Reference).

7-1750 **Combat Patrols**

A patrol leader's report of accomplishment of a night combat patrol mission against enemy opposition—Emphasizing importance of staff coordination, preparation of men and equipment, rehearsals, and teamwork (37 min—1952—Film Reference).

7-1867 **Front Line Rifle and Weapons Squad in Defense**

Defensive mission, reconnaissance, fragmentary defense order—Squad leaders formulate plan for defense—Orientation on administrative, logistical, command and signal matters—Platoon leader issues fire order—Successful repelling of the enemy in close combat (23 min—1954—Film Reference).

7-1868 **Fire and Maneuver—Fundamentals and Squad Employment**

Fire and maneuver are important phases of tactical combat—Definition and illustration of each—Correct accomplishment of maneuver (24 min—1954—Film Reference).

7-1899 **Fire and Maneuver—Platoon Employment**

Discussion of all fires available to the platoon and proper employment by platoon—Overrunning an enemy objective—Importance of direct and indirect supporting fire—Discussion of proper positions of platoon in the assault—Phases of fire and maneuver—Reorganization of platoon—Summation (22 min—1954—Film Reference).

7-1902 **The Concept of the Attack and the Triangular Infantry Organization**

Fundamentals of the three phases of the attack utilizing the triangular infantry organization—Basic design of triangular organization and its adaptability to and application in the attack—Study of terrain analysis (21 min—1955—Film Reference).

7-1904 **Life Cycle of the Infantry Regiment—Activation**

Discussion of the activation of a typical infantry regiment—Each step detailed: orientation, duties, and responsibilities of the regimental commander and of the unit staff, S1, S2, S3, S4, and executive officer—Designation of regiment and company areas—Reception of cadre—Cadre training—Drawing and issuing supplies and equipment—Close coordination of staff planning—Development of esprit de corps—Supply economy (15 min—1954—Film Reference).

7-1905 **Life Cycle of the Infantry Regiment—Training**

Discusses intensive training given the unit to develop fighting effectiveness—Each phase of training program explained: basic combat phase, advanced individual phase, basic unit training, advanced unit training, maneuver phase—Development of individual fighting skills and specialties, teamwork, and esprit de corps—Development of fighting units to work as

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tactical teams—Rigorous training under simulated battle conditions—Development of leaders (14 min—1954—Film Reference).

7-1906 **Life Cycle of the Infantry Regiment—Movement Overseas**

Rgimental movement overseas detailed—Duties and responsibilities of S1, S2, S3, S4, and executive officer—Importance of security measures—Morale—Continuation of physical survival training—Care of equipment—Inspections for shortages (18 min—1954—Film Reference).

7-1907 **Life Cycle of the Infantry Regiment—Staging Overseas**

Immediate establishment of liaison with theater command upon arrival at foreign port—Movement of troops and materiel to staging area—Further duties and training at staging area—Movement of regiment from staging area to forward assembly area for actual battle—Use of organic transportation (9 min—1954—Film Reference).

7-1908 **Life Cycle of the Infantry Regiment—Combat**

Explanation and illustration of all phases of actual combat—Receipt of division order—Regimental commander's initial concept—Staff estimates—Commander's estimate—Commander's decision—Operation plan—Operation order—Supervision of execution by commander—Analysis of tactics used in specific combat situations—Regiment in attack and in defense—Retrograde movement—Delaying action—Pursuits—River crossings—Movement by air—Use, exploitation of, and defense against atomic weapons—For successful operations, prior planning and preparation should be as complete as situation and time permit (27 min—1954—Film Reference).

7-1909 **Life Cycle of the Infantry Regiment—Occupation**

War is over but there is occupation duty in foreign country (Germany)—Commander issues disposition of regiment in support of the Military Government—Regiment's activities include: guarding military equipment and vital industrial plants, collecting weapons from civilians, screening civilians for security, care of displaced persons, transporting food stuffs to market centers, establishing extra water supply points, safeguarding public health—Combat citations awarded—Combat credits computed—Theater rotation policy established (10 min—1954—Film Reference).

7-1910 **Life Cycle of the Infantry Regiment—Inactivation**

Orders to return to US are received—Regiment serves as carrier unit for the move—Duties of S1, S2, S3, and S4—Discharge procedures for troops—Official inactivation of regiment (9 min—1954—Film Reference).

7-1919 **Combat Formations, Rifle Squad and Platoon—Part I: The Rifle Squad—Part II: The Rifle Platoon**

Organization and purpose of the rifle squad and platoon—Their basic combat formations and tactical applications of the formations in the field—Selection of combat formations, by platoon leader, based on mission and enemy situation (36 min—1954—Film Reference).

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TF No.	
7–1931	**The Intelligence and Reconnaissance Platoon Tactical Employment** Missions, organization, and equipment of I&R Platoon—Techniques and tactics employed to carry out mission (40 min—1955—Film Reference).
7–1947	**Dismounted Drill—Part I: Squad Drill—Part II: Platoon Drill** Purpose and nature of drill—Commands—Command voice—Composition, basic formations, and movements of squad and platoon (32 min—1955—Film Reference).
7–1972	**Terrain Analysis** Problem of a battalion in the attack—Depicts procedures for making a terrain analysis for formulating a plan of attack—Ground reconnaissance—Map study of critical terrain features—Aerial reconnaissance—Regimental objective (10 min—1955—Color—Film Reference).
7–2023	**Interior Guard Duty—The Sentinel Guard Duties** The 11 general orders and manner of execution—Guard responsibilities—Hours, procedures, and formalities of service—Military courtesy—Safety precautions (15 min—1943—Film Reference).
7–2124	**Basic Functioning M1 Rifle—Part I: Trigger Housing Group, Firing Pin, Cartridge** Operation of the M1 rifle (5 min—1955).
7–2185	**Cycle of Operation Caliber .30 Machine Gun—Part I: Feeding** Action within the receiver during feeding—Positioning of cartridge against cartridge stops—Grasping of cartridge by extractor—Positioning of cartridge by extractor for chambering (7 min—1955—Film Reference).
7–2186	**Cycle of Operation Caliber .30 Machine Gun—Part II: Chambering** Forcing cartridge into chamber—Forcing ejector away from cartridge—Positioning of extractor to grasp another cartridge (4 min—1955—Film Reference).
7–2187	**Cycle of Operation Caliber .30 Machine Gun—Part III: Locking** Action of the bolt on the accelerator of the lock frame allowing the recoiling group to move forward—Seating of breech lock into breech recess—Locking the recoiling groups together (5 min—1955—Film Reference).
7–2188	**Cycle of Operation Caliber .30 Machine Gun—Part IV: Firing** Action within the weapon from the time the trigger is raised until striker of firing pin ignites the primer in the cartridge (6 min—1955—Film Reference).
7–2189	**Cycle of Operation Caliber .30 Machine Gun—Part V: Unlocking** Unlocking action, showing rearward movement of recoiling

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parts—Separation of the bolt from the barrel and barrel extension (6 min—1955—Film Reference).

7–2190 **Cycle of Operation Caliber .30 Machine Gun—Part VI: Extraction and Ejection**

Actions within the receiver during extraction and ejection—Showing how during extraction the empty cartridge case is pulled from the chamber and how during ejection the cartridge case is forced out of the receiver (4 min—1955—Film Reference).

7–2202 **Trigger Squeeze M1 Rifle**

Correct method of squeezing trigger of M1 rifle—Emphasis on proper trigger squeeze for accurate fire (5 min—1955—Film Reference).

7–2203 **Restoration of Balance, 57-mm, Recoilless Rifle**

Disassembly of breech lock—Removal of worn throat rings and blocks—Installation of new throat rings and blocks—Stress on importance of keeping breech lock openings clean to prevent recoil (9 min—1955—Film Reference).

7–2204 **Barrel Packing, Caliber .30 Machine Gun M1917A1**

Purpose of barrel packing for operation of gun—Steps in packing the muzzle and breech ends (6 min—1956—Film Reference—Distribution to Army film and equipment exchanges in CONUS and overseas).

7–2205 **Cooling System, Browning Machine Gun, Caliber .30 M1917A1**

How steam generated from the heat of the barrel during firing passes through the cooling system and condenses, back to water (5 min—1956—Film Reference—Distribution to Army film and equipment exchanges in CONUS and overseas).

7–2215 **Cycle of Operation Caliber .30 Machine Gun—Part VII: Cocking**

Cocking action, showing how the firing pin spring is compressed by the cocking lever as the bolt moves to the rear (7 min—1955—Film Reference).

7–2223 **Technique of Machine Gun Fire—Part I: Characteristics of Fire, Classes of Fire Target Designation**

Trajectory, maximum ordinates, beaten zone, center of impact—Fire w/respect to gun, target and ground—Direction, designation and range of target (37 min—1956—Film Reference).

7–2224 **Technique of Machine Gun Fire—Part II: Fire Distribution, Fire Control, Fire Commands**

Fire distribution for wide, deep and oblique targets—Application, shifting and cessation of fire—Oral commands and hand signals—Initial and subsequent fire commands (38 min—1956—Film Reference).

7–2225 **Technique of Machine Gun Fire—Part III: Direct Laying**

Technique of engaging point, wide, deep, and oblique targets—How targets are identified and fire placed—Technique of engaging in distinct targets (41 min—1956—Film Reference).

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7–2226	**Technique of Machine Gun Fire—Part IV: Preparation of Range Cards** How information for direction and elevation is obtained and noted—Position of gun, final protective line, sectors of fire, range for likely targets (28 min—1956—Film Reference).
7–2227	**Technique of Machine Gun Fire—Part V: Expedients for Predetermined Fire** How base-stake notch stick and aiming stake methods are employed in day and night operations—Use of flashlight and poncho at night (21 min—1956—Film Reference).
7–2228	**Technique of Machine Gun Fire—Part VI: Overhead Fire** Methods of delivering overhead fire—Minimum clearance—Determining safety angle with Gunner's Rule and with Leader's Rule (19 min—1956—Film Reference).
7–2229	**Technique of Machine Gun Fire—Part VII: Position Defilade** Partial, minimum, and maximum types of position defilade—Elements common to all methods for engaging targets—Computed quadrant elevation and aiming points methods (40 min—1956—Film Reference).
7–2230	**Technique of Machine Gun Fire—Part VIII: Field Zeroing the Light Machine Gun M1919A6 on Bipod Mount** How gunner adjusts line of aim so that weapon delivers accurate fire on target (6 min—1956—Film Reference).
7–2231	**Technique of Machine Gun Fire—Part IX: Measuring Angles, Caliber .30 Light Machine Gun on M1919A6 on M2 Mount** How gunner measures and records horizontal angle readings to engage targets under any condition of visibility (8 min—1956—Film Reference).
7–2232	**Technique of Machine Gun Fire—Part X: Zeroing the Light Machine Gun M1919A6 on Tripod M2** How the gunner adjusts the line of aim so that weapon delivers accurate fire on target (5 min—1956—Film Reference).
7–2233	**Technique of Machine Gun Fire—Part XI: Auxiliary Aiming Point** How gunner obtains an auxiliary aiming point data and how he uses it to engage a target regardless of his ability to see it (6 min—1956—Film Reference).
7–2239	**81-mm Mortar (M29) Mechanical Training and Crew Drill** Features and use in combat—Mortar crew in action—Step-by-step procedures for mounting, sight setting and laying, loading, firing, and removal of misfires (14 min—1956—Film Reference).
8–999	**The Fly** Breeding places—Stages of growth—Methods of carrying disease—Extermination precautions (16 min—1943—Film Reference—From British Film BC 210).
8–1297	**Personal Health in Snow and Extreme Cold** Principles of living and operating in cold—Conserving body

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	energy—First aid for snow injuries—Type of clothing—Cleanliness—Overall cold weather technique for keeping healthy (19 min—1944—Film Reference).
8–1343	**Care of the Sick and the Injured—Part I: Morning Care** Morning care of patients—Breakfast—Importance of attractive service—Dietary patients—Feeding the helpless—Ward policing (7 min—1944—Film Reference—From Navy Film MN 1511–B).
8–1344	**Care of the Sick and Injured—Part II: Evening Care** Evening care of patients—Nightshift corpsmen—Washing patients—Importance of frequent alcohol rubbing to prevent pressure sores—Medicine—Hourly check of patients throughout the night by corpsmen (7 min—1944—Film Reference—From Navy Film MN–1511–E).
8–1345	**Care of the Sick and Injured—Part III: Post-operative Care** Procedure for making anesthetic bed—Moving patient from stretcher to bed—Care required when patient is arousing from anesthetic (13 min—1944—Film Reference—From Navy Film MN–1511–H).
8–1346	**Care of the Sick and the Injured—Part IV: Temperature, Pulse, and Respiration** Correct way of taking temperature, pulse, and respiration—Places where pulse beat may be found (15 min—1944—Film Reference—From Navy Film MN 1511–I).
8–1366	**Hypodermic Needles and Syringes—Their Care and Function** Construction, cleaning, sharpening, and sterlizing hypodermic syringes—Cleaning syringe after use, removing stains, and freeing stuck plunger (16 min—1944—Film Reference—Commerical Adaptation).
8–1378	**Clinical Malaria** Activity of anopheline mosquito—Life cycle of malaria parasite in human blood stream—Studies of symptoms and course of disease—Comparison of benign, tertian, quartan, and malignant tertian malaria (26 min—1944—Film Reference).
8–1383	**Care of the Sick and the Injured—Enemas** Retention type and evacuation type enemas—Procedure in administering—Care of patient and equipment (20 min—1944—Film Reference—From Navy Film MN 1511–V).
8–1388	**The Heart and Circulation** Chest and heart diagram—Types of breathing and correlated heart sounds—Mechanism of heart action illustrated by picture of turtle heart and animated diagram of valve action—Importance of heart and nerve stimuli on heart rates (10 min—1944—Film Reference—Commercial Adaptation).
8–1389	**Mechanism of Breathing** How air is drawn into the lungs—Various functions of breathing mechanism—Animated diagrams and photographs of

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simple experiments (11 min—1944—Film Reference—Commercial Adaptation).

8–1390 **Digestion of Foods**

Food intake, digestion, and absorption—Artificial stimulation of nerve to salivary glands by electricity to increase flow of saliva—Interrelationships of stomach, intestine, and digestive glands (10 min—1944—Film Reference—Commercial Adaptation).

8–1391 **Control of Body Temperature**

Physiological experiments—Role of nerve endings, heart rate, and skin—Primary mechanism of skin temperature dependent upon dilation of capillaries, sweating, and relaxation of skin muscles (11 min—1944—Film Reference—Commercial Adaptation).

8–1392 **The Work of the Kidneys**

The renal system—Formation of urine—Regulation of blood composition—Functioning of bladder—Relation of blood pressure to urine flow—Rate of secretion as affected by sugar, water, and temperature—Animated drawings and laboratory demonstrations (11 min—1944—Film Reference—Commercial Adaptation).

8–1393 **The Nervous System**

Importance of quick nerve reactions—Comparison of central nervous system of frog, cat, and mouse—Other nerve conditions shown by picture of paralysis of different muscles compared with spinal cord diagrams and cross sections (11 min—1944—Film Reference—Commercial Adaptation).

8–1394 **The Eyes and Their Care**

Practical vision maintenance—Diagrams of eye—Details of component parts—Types and defects of vision (11 min—1944—Film Reference—Commercial Adaptation).

8–1395 **Endocrine Glands**

Elementary summary of how some endocrine glands affect living beings—Experiments on parathyroid, pituitary, and thyroid glands—Description and results (11 min—1944—Film Reference—Commercial Adaptation).

8–1396 **Body Defense Against Disease**

Body defense mechanisms and their manner of repelling or combating bacteria—Ways in which the skin walls off invading organisms—Importance of vaccines and serum therapy (11 min—1944—Film Reference—Commercial Adaptation).

8–1428 **Care of the Sick and Injured—The NP Patient**

Handling and care of neuropsyhiatric patients (28 min—1945—Film Reference—From Navy Film MN 1511–R).

8–1429 **Physiology of Anoxia—The Basis of Inhalation Therapy**

Oxygen entering tissue from lungs while state of anoxic, anemic, stagnant, or histotoxic anoxia is present—Respiratory system—Respiration increase during heavy labor—Illnesses where anoxia may be present (Technical film for professional

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only—22 min—1945—Film Reference—Commercial Adaptation).

8–1430 **Oxygen Therapy Procedures**

Oxygen therapy—Precautions in storing oxygen—Attaching regulator to cylinder valve—Starting flow of oxygen—Choice of apparatus—Administering oxygen by face mask and tent (36 min—1945—Commercial Adaptation).

8–1460 **Care of the Sick and Injured—Chain of Asepsis**

Sterile technique—Importance of sterile linens, preoperative preparation of patient, scrub technique, preparation of the operating room, and maintenance of chain of asepsis during operation (30 min—1945—From Navy Film MN 1511–F).

8–1461 **Care of the Sick and Injured—Enemy Bacteria**

Necessity for meticulous cleanliness in surgery—Entry of bacteria into bloodstream—Action of bacteria—Resultant effect on patient (29 min—1945—Color—Film Reference—From Navy Film MN 1511–L).

8–1467 **Control of Louse-Borne Disease**

Control of louse-borne diseases through personal and barracks sanitation—Use of DDT and other insecticides (15 min—1946—Film Reference).

8–1468 **DDT in the Control of Household Insects**

Effective methods of controlling household insects—Responsibilities of Corps of Engineers and Medical Department—Methods of applying DDT in its three forms—Equipment used to apply DDT against houseflies, cockroaches, and bedbugs—Living and breeding habits of these insects (17 min—1948—Film Reference).

8–1474 **Miracle of Living**

Allegiance to the family—Ideals of conduct—Value of continence and self-discipline (39 min—1947—Film Reference).

8–1476 **Our Food and Our Health**

Importance of proper eating habits as a factor in maintaining individual soldier's health and well-being (15 min—1948—Color—Film Reference).

8–1495 **Control of Mosquito-Borne Diseases**

Cooperation of Army, Navy, and Air Force personnel in research and control of mosquito-borne diseases—Importance of proper clothing—Equipment needed for spraying and destroying breeding places of carriers of malaria, dengue, brain fever, and filariasis (19 min—1948—Film Reference).

8–1501 **The Stowawy—Part I: Disease and Personal Hygiene**

Obvious and obscure ways in which diseases is spread by food-handling personnel—Proper sanitary precautions and remedies (17 min—1948—Film Reference).

8–1502 **The Stowaway—Part II: Galley Sanitation**

Personal hygiene of food-handling personnel—Importance of sanitation in preventing spread of disease (24 min—1948—Film Reference).

TF No.	
8–1503	**The Stowaway—Part III: Food Storage** Careful inspection of food by US Army Veterinary Corps, Bureau of Animal Industry, and Port Food Service Inspector prior to procurement and use aboard troop transports—Proper facilities for food storage—Detailed principles of proper storage and preservation of food (13 min—1949—Film Reference).
8–1520	**Isolation Technique** Correct procedures, techniques, and precautions, used in handling cases requiring isolation in hospitals (18 min—1948—Film Reference—From Navy Film 1511-X).
8–1536	**The Medical Examination—Part I: Importance** Importance of medical examination for military and civilian personnel—Attitude of examining doctor—Doctor-patient relationship—Doctor-doctor relationship—Doctor-administrator relationship—All important factors in proper conduct of medical examination and maintenance of accurate records (19 min—1949—Film Reference).
8–1537	**The Medical Examination—Part II: History** Reviewing Form 89, Report of Medical History, prior to medical examination—Evaluation of patient's physical handicaps in relation to his occupational duties (17 min—1950—Film Reference).
8–1538	**The Medical Examination—Part III: Examination** Composition of typical examining team used in large-scale examinations—Progression of examinees from phase of operation—Coordinating each step in examination with item-by-item format of Forms 88 and 89, Report of Medical Examination (17 min—1950—Film Reference).
8–1576	**Hospital Food Service Personnel Training—Part II: The Individual** Importance of observing rules concerning personal cleanliness and sanitary work habits to prevent spread of germs (13 min—1950—Film Reference).
8–1577	**Hospital Food Service Personnel Training—Part III: Equipment** Importance of cleanliness in food handling—Danger of food poisoning—Proper rules for cleaning equipment—Loosening dirt, dissolving or emulsifying dirt, rinsing, and drying (12 min—1950—Film Reference).
8–1578	**Hospital Food Service Personnel Training—Part IV: Food** Importance of serving food in an appetiznig manner—Types of duties (15 min—1950—Color—Film Reference).
8–1586	**Fractures—An Introduction** Modern concept of treating a fracture—Mechanism, pathology, repair, and management of fractures (27 min—1949—Film Reference—Commercial Adaptation).
8–1604	**Sanitary Devices in the Field—Part I: Safe Water, Clean Bodies, Clothes, and Mess Gear** Importance of field sanitation to maintain high health standards—Purifying and heating water in the field (30 min—1951—Film Reference).

TF No.

8–1605 **Sanitary Devices in the Field—Part II: Disposal of Wastes**

Waste material disposal in field—Keeping mess halls and latrines rat- and insect-proof—Use of soakage pits, evaporation trenches, and finger trenches—Grease pits, sanitary land fills, camp incinerators, field latrines, and other waste-disposal methods—Problem of field sanitation—Basic principles of hygiene and sanitation (28 min—1951—Film Reference).

8–1639 **Medical Supply—Armed Forces**

Complete story of military medical supply—Hospital or medical unit—Geographical depot distribution system and assembly depot—Central control system of inventories, wholesale distribution, and requirements determination—Procurement system—Civilian production—Planning—Operational control (25 min—1950—Film Reference).

8–1650 **Ward Care of Pneumonia Patients**

Pneumonia as a primary cause of death—Care of pneumonia patients by nurses and medical orderlies—Mechanics and operation of the oxygen tent—Rules of positive health (23 min—1950—Film Reference).

8–1660 **Nursing Care of Poliomyelitis**

Necessary care in successful treatment of poliomyelitis patients—Nursing care—Treatment of spasm—Care of the respirator patient—Convalescent care (70 min—1951—Color—Film Reference—Commercial Adaptation).

8–1665 **Personal Hygiene**

Good personal hygiene—Detailed care of hair, teeth, feet, and body (30 min—1950—Film Reference).

8–1669 **The Rat Problem**

Destructiveness of the rat—Contamination it causes—Rat as a carrier of disease—Blood poisoning caused by rat bites—Transmittal of plague from rat to rat may be by fleas—Necessity for using scientific method to control rats (25 min—1950—Film Reference).

8–1670 **Habits and Characteristics of the Rat—Part I: The Norway Rat**

Activities and characteristics of the Norway rat (28 min—1950—Film Reference).

8–1671 **Habits and Characteristics of the Rat—Part II: The Roof Rat**

Habits of the roof rat—Comparison of the roof with the Norway rat (13 min—1950—Film Reference).

8–1672 **Sanitation Techniques in Rat Control**

Conditions necessary to rat life—Methods of interior and exterior ratproofing (21 min—1950—Film Reference).

8–1673 **Practical Rat Control—Ratproofing**

Ratproofing key to permanent rat control—Examples of rat's gnawing ability—Basic materials used in ratproofing—Use of mobile work ship in ratproofing—Island theory of rat control—Best and most economical method of ratproofing—Continuous rat sanitation (19 min—1950—Film Reference).

TF No.

8–1674 **Practical Rat Control—Rat Killing**

Eliminating requisites for rat existence—Poisons—Mechanical devices—Importance of control and experienced exterminators—Area control methods (37 min—1951—Film Reference).

8–1675 **Rat Ectoparasite Control**

Infection of man with murine typhus and plague by rat flea—Positive methods of killing fleas with DDT—Elimination of rats to prevent dreaded communicable diseases (12 min—1951—Film Reference).

8–1683 **Evacuation of Casualties**

Outlines the work and responsibilities of medical department personnel—Purposes of various medical installations in the chain of evacuation—Process from battalion aid to stateside hospitals (33 min—1952—Film Reference).

8–1690 **General Effects of Cold on Man**

Necessary measures for survival of human body in the three kinds of cold weather—Laboratory cold tests on animals compared with effects on human beings—Treatment of frostbite and trench foot—Necessity for dry clothing, shelter, rest, and diet—Responsibility of cold weather soldier to protect his own health (12 min—1951—Film Reference).

8–1691 **General Effects of Heat on Man**

Hot-room tests on human body conducted at Medical Department Field Research Laboratory, Ft Knox, Kentucky—Effects of heat on human body during military operations—Controlled laboratory conditions to simulate climates of deserts and tropical jungles—Dehydration, heat exhaustion, and heat stroke—Preventive measures and first aid treatment—Adequate water intake—Water-and-salt balance—Proper clothing—Shelter against sun—Proper eating habits—Differences between dry and damp heat (21 min—1951—Film Reference).

8–1705 **Transportation of Casualties**

Removal of casualties from combat area—One- and two-man carriers and the use of litters to ambulances, trucks, DUKW's, hospital trains, aircraft, and ships—Improvisation when lacking standard equipment—Use of litter sleds in far north—Special methods in mountainous terrain—Hospital ships and transport aircraft used to transport casualties to permanent hospitals in ZI (26 min—1951—Film Reference).

8–1706 **Speech Reading**

Ease with which people suffering from a hearing loss may learn to increase other powers of perception, especially the sense of sight and *see* what people are saying—Methods of learning how vowel and consonant sounds are formed by the mouth—What to observe—The technique of observation demonstrated by an internal film which the audience is assumed to be viewing directly through the *eye* of the camera (28 min—1952—Distribution limited to ZI and Hawaii—Film Reference).

8–1708 **Hospital Sanitation**

Hospital window cleaner, whose work takes him through the

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entire hospital, narrates story of hospital cleanliness—What it takes to keep outer grounds, offices, clinics, laboratories, storerooms, elevators, corridors, and wards germ-free—Special precautions to clean contaminated bedding in isolation wards—Purity of water supply (14 min—1951—Film Reference).

8–1761 **Medical Planning for a Task Force Operation**

Joint operations of Army, Navy, and Air Force require long-term medical planning—The task force surgeon designates responsibilities such as these among the three services: defense against biological, atomic, and chemical warfare; estimates of required hospitalization quarters and number of fixed beds; immunization-fighting personnel against endemic diseases; provisions for adequate medical units, supplies, and specialized medical personnel in the combat area; detailed plans for evacuation of wounded by sea and air (32 min—1952—Film Reference).

8–1763 **Medical Service of the Infantry Division—To Conserve the Fighting Strength**

Showing the organization, functions, and responsibilities of the medical services of an infantry division in bivouac and combat situations—Emphasizing that the primary purpose of division medicine is to conserve the fighting strength (25 min—1952—Film Reference).

8–1765 **Medical Service of the Airborne Division—To Conserve the Fighting Strength**

Showing the organization, planning, training, and operation of medical units attached to an airborne division—Difference between airborne and infantry medical services (28 min—1952—Film Reference).

8–1786 **Human Reproduction**

Using models and animated drawings to explain the story of human reproduction—Anatomy and physiology of male and female reproductive organs—Fertilization—Development of human embryo—Processes of normal human birth (22 min—1953—Film References—Commercial Adaptation).

8–1816 **Purification of Water**

Types and dangers of untreated water—Unit and individual techniques for water purification in the field—Application of chemical treatment, filtering, and boiling (20 min—1955).

8–1841 **Hospital Food Service Personnel Training—Part I: Introduction**

Showing the departments, equipment, menu planning, and food preparation procedures typical of hospital food service—Emphasizing proper food handling and preparation, and the importance of cleanliness and timeliness (16 min—1953—Film Reference).

8–1944 **The Hospital Ward Team**

Composition, contributions, and responsibilities of hospital ward team—Emphasis on role of the medical technician, a key member of the team (23 min—1955—Film Reference).

TF No.

8–2080 **Plaster Casts**

Duties of plaster technician—Plaster room and equipment—Technician assisting surgeon to apply casts (38 min—1948—Film Reference).

8–2083 **Swinging Into Step**

Rehabilitation and morale—Teaching amputees to return to normal living (33 min—1945—Film Reference).

8–2090 **Ward Care of Psychotic Patients**

Duties and methods used by ward attendants in caring for psychotic patients in closed wards (41 min—1945—Film Reference).

8–2093 **Strictly Personal (WAC)**

Factors in molding a better figure—General grooming—Use of cosmetics—Functioning of female body (36 min—1945—Film Reference).

8–2096 **Dental Health**

Dental care and hygiene—Prevention of gum diseases—Care of dentures—Chewing food (24 min—1945—Film Reference).

8–2125 **It's Up to You**

Three typical adjustment cases to military life—Common problems of fear, anxiety, anger, and insecurity—Positive approaches of handling such problems result in easier and better adjustment—Emphasis on understanding of inner feelings as key to adjustment (32 min—1955—Film Reference).

8–2293 **First Aid—Part II: Everyday Emergencies**

Treatment for snake bite, poisoning, foreign object in eye, ear and nose, choking, splints, faintness, artificial respiration, electric shock (29 min—1956—Film Reference).

8–2295 **Mess Sanitation**

Mess sanitation principles in storing foods, preparing meals, serving meals, care of leftovers, garbage disposal and care of flies (25 min—1956—Distribution to Army film and equipment exchanges in CONUS and Overseas for loan to interested units).

9–171 **Engine of the Diesel Tractractor**

Disassembly—Order in which parts are removed—Cleaning and oiling parts—Procedure for replacement (20 min—1941—Film Reference).

9–618 **Unexploded Bombs**

Characteristics of German bombs—Extent of damage and crater created when bomb fails to detonate—Defuzing and disposing of unexploded bombs (43 min—1942—Film Reference—From Navy Film BC 198).

9–960 **Gun, Automatic, 40-mm M1—Principles of Operation**

Vital parts of gun and functioning processes—Recoil, recuperator, breech mechanism, and buffer—Loading, firing, and recoil—Difference between single loading and automatic loading of ammunition (25 min—1943—Film Reference).

TF No.

9–970 **Care and Maintenance of Pneumatic Tires—Part I: Tire Designs and Functions**

Construction of pneumatic tires and tubes—Rim types and maintenance precaution (11 min—1943—Film Reference—Commerical Adaptation).

9–971 **Care and Maintenance of Pneumatic Tires—Part II: Preventive Maintenance**

Preventive measures—Daily routine to avoid common causes of tire failures (15 min—1943—Film Reference—Commercial Adaptation).

9–972 **Care and Maintenance of Pneumatic Tires—Part III: Removing and Replacing Wheels**

Preventive maintenance—Step-by-step procedure in removing and replacing wheels (9 min—1943—Film Reference—Commercial Adaptation).

9–973 **Care and Maintenance of Pneumatic Tires—Part IV: Mounting and Dismounting Tires with Full Drop Center Rims**

Complete mounting and dismounting procedures when using full drop center rims (14 min—1943—Film Reference—Commercial Adaptation).

9–974 **Care and Maintenance of Pneumatic Tires— Part V: Mounting and Dismounting Tires with Semidrop Center and Flat Base Rims**

Proper method of replacing tires and tubes on wheels with semidrop center and flat base rims (18 min—1943—Film Reference—Commercial Adaptation).

9–975 **Care and Maintenance of Pneumatic Tires—Part VI: Tire Repairs**

Method of repairing tubes and tires—Periodic checks and repairs (12 min—1943—Film Reference—Commerical Adaptation).

9–976 **Care and Maintenance of Pneumatic Tires—Part VII: Mounting and Dismounting Combat Tires**

Design, construction, and use of combat tires—Procedure for mounting and dismounting—Use and care of tools (20 min—1943—Film Reference—Commercial Adaptation).

9–1022 **The Gyro-Stabilizer Gun Mount—Part I: Principles of Operation**

Working principles—Construction—Use of gyro-stabilizer—Need for gun mount permitting accurate firing from moving tank—Origin of gyro-stabilizer—Operating principles and procedure (30 min—1943—Film Reference).

9–1023 **The Gyro-Stabilizer Gun Mount—Part II: Maintenance**

Oil level of stabilizer—Checking connections—Lubrication—Diagnosis of tank gun troubles by charts—Low gun stiffness—Inoperative gyro—Importance of proper oil levels—Forcing air out of gun system—Checking for oil leaks—General maintenance (35 min—1943—Film Reference).

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TF No.	
9–1122	**Military Optical Instruments—Part III: Observation and Measuring Instruments** Field glasses—BC telescope—Aiming circle—Rangefinder—Height finder (14 min—1943—Film Reference).
9–1124	**Howitzer, Pack, 75-mm, M1A1, and Carriages M1 and M8—Principles of Operation** Delivery of weapons by parachute—Assembling howitzer—Identification and description of major components—Functioning of various parts—Working model demonstrated (24 min—1944—Film Reference).
9–1126	**The Half Track Vehicle—Part I: Care and Maintenance of Endless Band Tracks and Bogie Wheels** Nature, use, and advantages of half track vehicle for off-the-road transportation—Function of parts—Importance of proper adjustments, cleaning, and lubrication—Method of checking tension—Adjusting track—Bending track guides—Realigning rear idler—Replacing studs—Use of tools (29 min—1943—Film Reference).
9–1127	**The Half Track Vehicle—Part III: Removal and Installation of Bogie Wheels** Procedure and precautions in removal and replacement of outer and inner wheels in bogie assembly—Replacing bogie wheel with track (13 min—1943—Film Reference).
9–1167	**Military Optical Instruments—Part I: Optical Principles** Principles of lenses, prisms, and mirrors—Explanation of reflection, refraction, total reflection, and inversion of images by convex lenses (10 min—1943—Film Reference).
9–1168	**Military Optical Instruments—Part II: Sighting Instruments** Optical systems in typical sighting instruments—Straight tube telescopes, periscopes, and panoramic telescopes (13 min—1943—Film Reference).
9–1172	**US Rifle, Cal .30, M1—Principles of Operation** Functioning principle of rifle—Operation (15 min—1943—Film Reference).
9–1205	**Rifle, Automatic, Cal .30, Browning M1918A2—Principles of Operation** Rearward movement of recoiling parts—Action of gases—Action of hammer—Unlocking—Extraction—Ejection—Buffer—Actuator functions—Processes of feeding, locking, and firing in forward movement of recoiling parts—Function of trigger mechanism in normal and slow fire (16 min—1943—Film Reference).
9–1206	**Carbine, Cal .30, M1—Principles of Operation** Gun description—Operation of functioning parts—Loading—Cocking—Feeding—Locking—Recoil movements—Safety action (14 min—1943—Film Reference).
9–1213	**The Synchromesh Transmission—Principles of Operation** Operating principles of synchromesh transmission developed for M4 tank and other army vehicles—Function of sliding gear

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clutch—Description of synchromesh device (25 min—1943—Film Reference).

9–1218 **The Oil Filter Goes to War**

Construction, functioning, and servicing of oil filters used on military vehicles (26 min—1943—Film Reference).

9–1245 **Vacuum Power Brakes—Principles of Operation**

Principles of vacuum power system—Conversion of engine vacuum power into mechanical power for brakes—Identification and operation of main parts (14 min—1943—Film Reference).

9–1246 **Hydrovac Power Brakes—Principles of Operation**

Action of check valve, power cylinder, control valve, and slave cylinder in operation of hydrovac brake system (9 min—1943—Film Reference).

9–1258 **Lubrication of Military Vehicles—Part I: Principles of Lubrication**

Functions of lubrication—Effect of friction—Need for constant lubrication—Oils appropriate to vehicle, temperature, and climatic conditions (25 min—1943—Film Reference—Commercial Adaptation).

9–1264 **The Automotive Clutch—Principles of Operation**

Clutch demonstrated on simple model which shows engine flywheel, drive shaft, and differential in their proper relationship (9 min—1944—Film Reference).

9–1268 **The Bevel Gear Differential—Principles of Operation**

Principles of operation of bevel gear differential shown by means of simple model built step-by-step (12 min—1944—Film Reference).

9–1269 **The Automotive Transmission—Principles of Operation**

Function of transmission to supply varying amounts of torque as required—Cutaway model reveals grouping of gears permitting selective control of amount of torque delivered to drive wheels (20 min—1944—Film Reference).

9–1282 **Automotive Gears—Principles of Operation**

Functions and purposes of basic types of gears—Ratio of gears (20 min—1944—Film Reference).

9–1283 **Servicing the Zero-Lash Hydraulic Valve Lifter**

Principles of operation—Disassembly—Malfunctions—Cleaning—Assembly (26 min—1943—Film Reference).

9–1285 **The Controlled Differential—Principles of Operation**

Importance of controlled differential for steering—Operation (21 min—1944—Film Reference).

9–1286 **Elementary Principles of Torque**

Basic principles of torque—Uses—Determination of amount—Multiplication by gears—Relation to vehicle (16 min—1944—Film Reference).

9–1298 **Field Repair of Gun, 90-mm, M1, and Mount, Gun, Antiaircraft, 90-mm, M1A1—Part I**

Procedure by ordnance contact party in correcting over-

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recoil of gun causd by dirt in recoil mechanism—Disassembly of throttling valve and counterrecoil valve assemblies (23 min—1944—Film Reference).

9–1299 **Field Repair of Gun, 90-mm, M1, and Mount, Gun, Antiaircraft, 90-mm, M1A1—Part II**

Typical repairs of 90-mm gun, M1A1—Contact parties—Field shop in operation (23 min—1944—Film Reference).

9–1300 **Field Repair of Gun, Automatic, 40-mm, M1 and Carriage, Gun, 40-mm, M2, Antiaircraft**

Typical repair of 40-mm gun—Contact parties—Field shop in operation (21 min—1944—Film Reference).

9–1316 **The Manometer Test**

Theories and principles of manometer test—Formulas—Measurements—Background materials (31 min—1944—Film Reference).

9–1318 **Beware—Butterfly Bomb**

Danger of butterfly bombs—Types of fuzes—How they function on impact, above ground, and up to ½-hour delay (29 min—1944—Film Reference—From Navy Film BC 602).

9–1328 **Truck, Amphibian, 2½-ton, 6x6, GMC, DUKW-353—Part I: First Echelon Maintenance**

First echelon repair and preventive maintenance—Maintenance peculiar to water operation (26 min—1944—Film Reference).

9–1329 **Truck, Amphibian, 2½-ton, 6x6, GMC, DUKW-353—Part II: Second Echelon Maintenance**

Step-by-step second echelon maintenance—Use of gray insulating enamel on electrical terminals on wheels and brakes—Variations in routine operations—Road and water tests (23 min—1944—Film Reference).

9–1356 **The 90-mm Gun, M1A1, Principles of Operation—Part I**

Functioning of breech and firing mechanism—Use in field against aircraft and tanks—Firing cycle (29 min—1944—Film Reference).

9–1357 **The 90-mm Gun, M1A1, Principles of Operation—Part II: Recoil Mechanism**

Purpose of weapon—Demonstration of recoil mechanism—Counterrecoil buffer (21 min—1944—Film Reference).

9–1358 **Packaging of Materiel for Oversea Shipment—Part I: Cleaning, Preserving, and Wrapping**

Principles of cleaning, preserving, and packaging materiel for oversea shipment (30 min—1944—Film Reference).

9–1359 **Preparation of Materiel for Oversea Shipment—Part II: Packing and Boxing**

Principles of packing materiel for export shipment—Packing interior containers—Making waterproof liners—Construction of boxes (29 min—1944).

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9–1367	**Gun, 120-mm, Antiaircraft M1, Principles of Operation—Part I: Section I: Functions and Operations—Section II: The Percussion Mechanism** Setting up gun—Functioning of parts—Operation of gun (30 min—1944—Film Reference).
9–1368	**Gun, 120-mm, Antiaircraft M1, Principles of Operation—Part II: Operation of the M9 Power Rammer** Basic nomenclature, functioning, and operation of power rammer (10 min—1944—Film Reference).
9–1371	**Internal Combustion Engine—Principles of Operation** Basic operating principles of four cycle internal combustion engine—Function of crankshaft—Valve operating mechanism for overhead valve arrangement—Power overlap on engine models (13 min—1944—Film Reference).
9–1374	**Preparation of Materiel for Oversea Shipment—Part III: Crating** Crating materiel for export—Step-by-step demonstration—Method II pack (31 min—1944).
9–1376	**The Oil Gear Hydraulic Traversing Mechanism—Principles of Operation** Basic operation—Functioning of oil through elevated mechanism (21 min—1944).
9–1411	**Preparation of Ordnance Materiel for Deep Water Fording—Part I: Sealing** Sealing parts with asbestos and water-repellent grease—Sealing materiel in waterproof containers (24 min—1945).
9–1418	**Lubrication of Military Vehicles—Part III: Maintenance of Equipment** Use and maintenance of lubricating equipment (21 min—1945).
9–1427	**Torque Converter—Principles of Operation** Principles of torque converter—Parts and operation of converter—Dual function of torque converter as clutch and transmission (20 min—1945).
9–1445	**The M2 Carbine—Principles of Operation** Principles of semiautomatic fire—Modification for automatic fire (15 min—1945—Film Reference).
9–1447	**Fuel Pump—Principles of Operation** Purpose of fuel pump—Operational theory—Mechanical functioning—Emergency mechanical device (12 min—1945).
9–1448	**Fundamentals of Small Arms Weapons—Part I: The Cycle of Operation** Components of small arms ammunition—Similarity of function and ammunition of small arms—Eight steps of cycle operations—Chambering, locking, firing, unlocking, extracting, ejecting, cocking and feeding (19 min—1945).
9–1449	**Fundamentals of Small Arms Weapons—Part II: Principles of Automatic Operation** Types of small arms operations other than manual—Gas operating BAR and M1 rifles—Blowback used with low-pres-

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	sure cartridges in M3 submachine guns with no positive lock—Recoil, used on pistols, and machine guns (13 min—1946—Film Reference).
9-1450	**Fundamentals of Small Arms Weapons—Part III: Semiautomatic and Automatic Fire** Firing mechanisms—Two firing methods—Automatic—Semiautomatic (10 min—1945).
9-1469	**Field Evaluation of Erosion in Cannon Bores** Phases of erosion—Erosion checks—Measuring bore erosions—Determining condemnation limits for various weapons (11 min—1948—Film Reference).
9-1472	**Fundamental Principles of Fuzes** Detonation of various types of bombs, rockets shells, and mines—Mechanical means of timing and delaying explosions (23 min—1948—Film Reference).
9-1512	**Fundamentals of Ballistics** Interior ballistics—Type, and characteristics of various powder grains—Exterior ballistics—Effects of resistance and gravity—Trajectory—Methods to overcome problems involved—Terminal ballistics—Types of fuzes and explosives—Types of projectiles, including penetration, blast, and fragmentation (19 min—1949—Film Reference).
9-1513	**Spot Check Inspection of Motor Vehicles** Ordnance inspection teams spot checking company motor pool (17 min—1948—Film Reference).
9-1531	**Automotive Electricity for Military Vehicles—Part VI: Principles of Operation of the Automotive Magneto** General function of automotive magneto—Advantages of magneto ignition over battery ignition—Essential fundamentals—Two- and four-pole magnetos (14 min—1949—Film Reference).
9-1559	**Automotive Electricity for Military Vehicles—Part V: Principles of Operation of the Generator Regulator** Importance and function of generator regulator—Generator's two types of electromagnetic switches used to illustrate a simple circuit as a basis for studying units of regulator—Three main generator units—Operation of units in a motor vehicle with aid of meters connected to units (12 min—1949—Film Reference).
9-1652	**Guided Missiles—Theory of Operation** Operation—Four component parts of guided missiles (16 min—1950).
9-1655	**Establishment of a Field Ammunition Supply Point** Choosing site for field ammunition supply point—Rolling ammunition supply points used in fluid tactical situation (27 min—1950).
9-1778	**Basic Blacksmith Operations** This film teaches basic metalworking operations, emphasizing the use of tools and equipment to handle the job of keeping

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military equipment in operating condition—The advantages and use of the side-banked fire, plain-open fire and deep-hollow fire are also discussed (26 min—1952—Film Reference).

9–1805 **Before, During, and After Operation Maintenance, Medium Tank**

Demonstrating the maintenance responsibilities of the tank commander and crew for these machines of speed, mobility, and firepower (31 min—1953—Film Reference).

9–1810 **Explosive Ordnance Disposal—Access and Recovery**

Approved procedures and materials employed to locate and dispose of unexploded missiles—Shaft digging and timbering operations with standard template, sheathing, walling rings, studding, and wedges—Deactivating and removing fuze from shaft—Three rigging methods for hoisting bomb to surface: gin pole, shear legs, and tripod (21 min—1953—Film Reference).

9–1843 **The Antiaircraft Artillery Fire Control Problem**

Analysis and application of spherical coordinate system and ballistic corrections to hit a moving target in the air—Balance of these two factors determines the final solution of the problem (23 min—1954—Film Reference).

9–1846 **Antiaircraft Artillery Fire Control Systems—Part III: The M9 Type Director with SCR–584 Radar Set**

Showing how the M9 director with SCR–584 solves the AAA fire control problem by using the linear speed method—Components of the M9 director—Characteristics and capabilities of the heavy AA systems (13 min—1955—Distribution in CONUS and Overseas—Film Reference).

9–1855 **Planetary Gears, Principles of Operation—Part I: Single Sets**

Defining the use and mechanical operation of the planetary gears used in armored vehicles—Analyzing the components and their relation to operation in neutral position, gear reduction, overdrive, reverse, and direct drive (18 min—1953—Film Reference).

9–1856 **Planetary Gears, Principles of Operation—Part II: Multiple Sets**

Demonstrating the principles governing the operation of multiple sets—Limitations of single planetary gears—Greater mobility and speed of multiple sets—Review of three laws of planet carriers (15 min—1953—Film Reference).

9–1859 **Ammunition Supply Point (ASP) Operation**

Operation of a typical ammunition supply point—Details of receipt and issue of ammunition—Details of issuing ammunition to using unit in field—Accountability—Reports, stock inventories, surveillance missions (25 min—1954—Film Reference).

9–1861 **Browning Machine Gun Caliber .30—Principles of Operation**

Purpose and function of two types of Browning machine gun caliber .30—Water-cooled M1917A1 and air-cooled models

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Discussion of component parts of weapon—Explanation of eight steps in cycle of operation—Demonstration of weapon functioning in the field shows firepower capabilities and value to tactical unit (21 min—1954—Film Reference).

9–1869 **Recoil Mechanisms, Principles of Operation, Hydrospring Type**

Relationship between firepower and recoil mechanisms—Analysis of functions of recoil mechanism hydrospring type—Explanation of how the hydrospring type performs these functions—Two variations of hydrospring mechanism are shown (separate cylinder and the concentric) (33 min—1954—Film Reference).

9–1875 **VT Fuzes—Field Artillery**

Components, operational characteristics, and application of the two standard types of VT fuzes (M97 and M96) and CVT models (T227E2 and T226E2)—Methods of handling and firing—Advantages and limitations against various types of targets (25 min—1955—Film Reference).

9–1881 **Explosive Ordnance Disposal—Range Clearance**

Approved procedures and safety regulations for range clearance—Duties of explosive ordnance disposal (EOD) officer and enlisted personnel (17 min—1954—Film Reference).

9–1934 **Methods of Solution of the Antiaircraft Artillery Fire Control Problem—Part II—Conversion Between Spherical and Rectangular Coordinates**

Mathematical equation for finding a predicted point in space—Conversion from spherical to rectangular coordinates and vice versa (24 min—1955—Distribution in CONUS and Overseas).

9–1935 **Interchangeability Features of Heavy and Very Heavy Artillery**

Conversion of 155-mm gun into 8-inch howitzer and 9-inch gun into 240-mm howitzer—Component parts, adjustments, possible field expedients, and precautionary measures in interchange process—How interchangeability features of major weapons in heavy and very heavy artillery are employed in the field (34 min—1954—Film Reference).

9–1948 **Recoil Mechanisms, Principles of Operation, Hydropneumatic Type—Part I: Dependent System**

Explanation and illustration of functioning and principles of operation of dependent type—Detailed demonstration of three phases of operation: recoil braking, counterrecoil, and buffing—Employed in field artillery (12 min—1954—Film Reference).

9–1949 **Recoil Mechanisms, Principles of Operation, Hydropneumatic Type—Part II: Independent System**

Brief review of functions and principles of operation of the dependent and independent systems—Discussion and illustration of operation of independent system, covering recoil-braking phase, counterrecoil phase, and buffing (16 min—1954—Film Reference).

TF No.	
9–1951	**Methods of Solution to the Antiaircraft Artillery Fire Control Problem—Part I: The Linear Speed Method** Basic principles of linear speed method for solving AAA fire control problem to combat targets beyond 1,000 yards altitude (11 min—1954—Film Reference).
9–1952	**Guided Missile Propellents—Basic Characteristics** Chemical and physical properties of guided missile propellents—How they function—Their hazardous nature—Safety precautions—Storage and handling techniques—Theory of propulsion—Safe use of fuels and oxidizers (25 min—1955—Color—Film Reference).
9–1953	**The Fluid Coupling—Principles of Operation** Component parts, operation, and action of fluid coupling—Value to vehicle and driver (13 min—1954—Film Reference).
9–1992	**Hydraulic Controls in the Hydramatic Transmission** Basic shifting patterns of hydramatic transmission—Principles and applications of up-shifting and down-shifting (26 min—1955—Film Reference).
9–2007	**Disposal of Unusable Ammunition and Explosives—Part I: General Principles and Disposal at Sea** Reasons and methods for disposal of ammunition and explosives at sea (10 min—1943—Film Reference).
9–2026	**Care and Use of Hand Tools—Part I: Wrenches** Advantages and uses of various wrenches—Dangerous and incorrect practices—Resultant damages (19 min—1943—Film Reference).
9–2027	**Care and Use of Hand Tools—Part II: Pliers and Screw Drivers** Proper use of pliers and screw drivers—Safety precautions (14 min—1943—Film Reference).
9–2028	**Care and Use of Hand Tools—Part III: Chisels** Types of cold chisels—Correct use—Techniques and safety precautions (12 min—1943—Film Reference).
9–2029	**Care and Use of Hand Tools—Part IV: Hammers** Correct use and care of hammers—Ball, straight, cross peen, sledge and claw hammers (11 min—1943—Film Reference).
9–2030	**Care and Use of Hand Tools—Part V: Bars, Punches, and Drifts** Common misuse of bars, punches, and drifts—Specific purpose and correct use (14 min—1943—Film Reference).
9–2031	**Care and Use of Hand Tools—Part VI: Hacksaws** Proper and improper use of hacksaw—Types of frames and uses (18 min—1943—Film Reference).
9–2045	**Field Repair of Gun, 155-mm M1A1 and Carriage, Gun, 155-mm, M1** Repairs of 155-mm gun—Contact parties—Field shop in operation (31 min—1944—Film Reference).
9–2046	**Field Repair of Howitzer, 105-mm, M2A1, and Carriage, Howitzer, 105-mm, M2** Repairs on 105-mm howitzer—Use of tools in field (25 min—1944—Film Reference).

TF No.	
9–2050	**Howitzer, 105-mm, M2A1, and Carriage M2—Principles of Operation** Characteristics and adaptability of howitzer—Parts—Firing cycle (21 min—1944—Film Reference).
9–2052	**Handling and Transporting Aerial Bombs—Part I: 100-, 250-, and 500-pound Bombs** Approved method of loading—Finning and fuzing—Unloading and returning unused bombs from plane to revetment (35 min—1944—Film Reference).
9–2053	**Handling and Transporting Aerial Bombs—Part II: 1,000-, 2,000-, and 4,000-pound Bombs** Approved methods of loading and unloading—Use of bomb lift truck M22 for 4,000-pound bombs—Finning and fuzing (25 min—1944—Film Reference).
9–2058	**Fundamentals of Artillery Weapons—Part I: Types and Components of Cannon** Guns, howitzers, and mortars—Operating principles of percussion hammer, inertia, and continuous pull type firing mechanism (28 min—1944—Film Reference).
9–2059	**Fundamentals of Artillery Weapons—Part II: Types and Components of Carriage** Fixed and mobile carriages—Railway, self-propelled, and towed mobile carriages—Fixed barbette and disappearing type carriages (22 min—1944—Film Reference).
9–2064	**Air Brakes—Principles of Operation** Function of each unit in air brake system—Compressed air routes traces—Operation (25 min—1944—Film Reference).
9–2065	**Hydraulic Brakes—Principles of Operation** Hydraulic principle—Advantages of liquid linkage—Development of mechanical advantage in hydraulic brake system—Operation (24 min—1944—Film Reference).
9–2066	**Electric Brakes—Principles of Operation** Units of electric brake system—Function (13 min—1944—Film Reference).
9–2076	**Automotive Electricity for Military Vehicles—Part I: Principles of Automotive Electrical Circuits** Examination of electrical circuits in military vehicles—Accessory—Ignition—Starting motor—Battery charging—Individual function and major components—Electrical defects (13 min—1945—Film Reference).
9–2077	**Automotive Electricity for Military Vehicles—Part II: Principles of Operation of the Generator** Design and operation of generator—Fundamental principles—Component parts (13 min—1945—Film Reference).
9–2078	**Automotive Electricity for Military Vehicles—Part III: Principles of Operation of the Starting Motor** Basic electrical and magnetic principles of automotive starting motors—Construction of motor (14 min—1945—Film Reference).

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9–2079	**Automotive Electricity for Military Vehicles—Part IV: The Ignition Circuit** Working principle of ignition circuit from battery to spark plugs (11 min—1945—Film Reference).
9–2085	**Shop Safety** Accidents—Causes—Safety rules for arc and gas welding—Hoisting methods—Working with machinery—Use of tools—Lifting and pushing heavy objects—Handling gasoline (28 min—1945—Film Reference).
9–2120	**Ammunition—Storage and Handling** Application of the igloo method—Handling ammunition manually and with warehouse equipment—Proper storage techniques—Safety precautions (31 min—1955—Film Reference).
9–2121	**The Field Stock Control System** Basic principles and outstanding features of the new field stock control system—Merits over old system are underscored—First installed and operated in Korea in spring of 1951 (28 min—1955—Film Reference).
9–2122	**Antiaircraft Artillery Fire Control Systems—Part I: Introduction to Antiaircraft Fire Control Systems** Operation of basic elements of the AAA fire control system, explaining how each element helps to solve the AAA fire control problem (6 min—1955—Film Reference).
9–2123	**Antiaircraft Artillery Fire Control Systems—Part II: The Skysweeper-Integrated Fire Control System T–38** General characteristics, advantages and limitations—Basic elements of the T–38 system—How each element operates: radar, periscope, computer, power control system, cable system, and target selector (21 min—1955—Film Reference).
9–2193	**Automotive Trouble Shooting—Part IV: Sealed Electrical Systems** Techniques and test equipment used for pinpointing and correcting typical malfunctions in the 24-volt sealed electrical system used in army vehicles—Components of the system—Safety measures to prevent damage to test equipment, the system, and injury to the individual (28 min—1955—Film Reference).
9–2194	**Automotive Trouble Shooting—Part II: Engine Tune-up** Manifold vacuum and compression tests—Checks on battery and ignition cable, distribution and ignition timing, battery clearance, fuel system and carburetor (33 min—1956).
9–2195	**Methods of Solution of the Antiaircraft Artillery Fire Control Problem—Part III: Similar Triangles** How the smaller triangle in the sighting device of the weapon is adjusted to be similar to the larger triangle to determine the predicted position of the target (14 min—1955—Distribution in CONUS and overseas—Film Reference).
9–2199	**Antiaircraft Artillery Fire Control Systems—Part IV: The Integrated Fire Control System M33** Explains how the M33 solves the AAA fire control problem

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	by three methods (linear speed, tangetical and quadratic)—Functions of primary components of the system—Characteristics, capabilities, and limitations of the M33 system (18 min—1955—Distribution in CONUS and overseas—Film Reference).
9–2218	**Recovery Equipment—Part I—M62 Medium Wrecker, Operation of Powered Equipment Controls** Procedures for setting and operating the boom, front winch, and rear winch (14 min—1956—Film Reference).
9–2240	**Supercharging and Fuel Injection** Defines purpose, components, operation, and effects of supercharging and fuel injection systems used in army vehicles to increase engine horsepower (20 min—1956—Film Reference).
9–2253	**Carburetor—Principles of Operation** How air-fuel mixture is supplied to engine—Functioning of components—How air pressure differential is utilized—Application of Venturi principle—Operation of circuits (25 min—1956 Film Reference).
9–2254	**Hydraulic Steering—Principles of Operation** Functioning of major components—Principles of pressure differential, ability of system to resist road shock, and kickback of steering wheel (14 min—1956—Film Reference).
10–291	**Automotive Trouble Shooting—Part I: Functions of the Fuel and Ignition Units** Demonstration of Chevrolet motor—Principles of gasoline engine and related parts (14 min—1942—Film Reference).
10–300	**Automotive Trouble Shooting—Part XV: The Clutch** Purpose and function of clutch—Locating trouble—Repair—Operation of clutch in Chevrolet, General Motors, and Dodge trucks (21 min—1942—Film Reference).
10–377	**Automotive Trouble Shooting—Part III: The Fuel System, the Engine Will Not Start** Checking trouble in fuel system when engine does not start—Checking fuel pump and carburetor for fuel supply (13 min—1942—Film Reference).
10–395	**Automotive Trouble Shooting—Part V: The Fuel System at Various Speeds** Checking all parts of fuel system—Recognizing trouble symptoms—Repair (16 min—1943—Film Reference).
10–396	**Automotive Trouble Shooting—Part VI: The Ignition System at Various Speeds** Indications of ignition trouble—Systematic check of ignition system units at various speeds—Adjustments and checks (21 min—1942—Film Reference).
10–593	**Automotive Trouble Shooting—Part XIb: Spring and Shock Absorbers** Detecting faults—Adjusting springs and shock absorbers (21 min—1942—Film Reference).
10–638	**Automotive Trouble Shooting—Part XIV: Front End Alignment** Causes of improper wheel alignment—Checks of caster, cam-

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ber, toe-in, and turning radius (18 min—1943—Film Reference).

10–929 **Hand Measuring and Power Tools—Operation and Care of Portable and Bench Grinders**
Maintenance work performed in field and shop (18 min—1942—Film Reference).

10–930 **Hand Measuring and Power Tools—Portable Electric Drills**
Maintenance—Assembly—Disassembly—Uses of portable electric drill (19 min—1942—Film Reference).

10–931 **Hand Measuring and Power Tools—Electric Valve Grinding Tools**
Operation and use of valve grinding tools and their accessories—Electric valve refacer, seat grinder, and lapper—Valve grinding (29 min—1942—Film Reference).

10–932 **Hand Measuring and Power Tools—Care and Use of Files**
Functions of various types of files—Correct procedure—Principles of care and use (24 min—1942—Film Reference).

10–933 **The Use and Abuses of Twist Drills**
Correct use of twist drills—Use of cooling and lubricating oils—Speed—Feed with different materials (27 min—1942—Film Reference).

10–980 **Automotive Trouble Shooting—Part XIc—Section II: Chevrolet 4x4 and GMC 6x6 Steering System Adjustments**
Complete details of procedure—Adjusting trunnion bearings—Adjusting toe-ins with telescopic gage—Adjusting recirculating ball-type steering gear—Aligning steering column jacket (16 min—1943—Film Reference).

10–1133 **The Army Cook—Part I: Meat Cutting Tools and Equipment**
Special handling instructions for each type of kitchen knife and saw—Safety precautions in use and in sharpening tools (20 min—1943—Film Reference).

10–1134 **The Army Cook—Part II: Cutting a Hindquarter of Beef**
Trimming, boning, and separating a hindquarter of beef—Bone structure of the quarter (14 min—1943—Film Reference).

10–1135 **The Army Cook—Part III: Cutting a Forequarter of Beef**
Obtaining cuts for steaks, roasts, and stews and using them to best advantage (17 min—1943—Film Reference).

10–1136 **The Army Cook—Part IV: Cutting Lamb**
Bone structure of lamb—Relation of kitchen cuts to each other and to bones—Cuts identified—Expert cutter operation (14 min—1943—Film Reference).

10–1137 **The Army Cook—Part V: Cutting Veal and Pork**
Dividing and cutting side of veal into major cuts—Dividing

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pork into ham, loin, side, sparerib, and shoulder—Best use for each cut (13 min—1943—Film Reference).

10–1215 **Rations in the Combat Zone—Part II: Unit Messing**

Landing operations and distribution of K rations for combat troops—Mobile kitchens—Cooks working enroute—Cleaning the mess kit and utensils—Using splash plates—Mess sanitation—Disposal of garbage—Preparation of kitchen and trailer for departure (16 min—1943—Film Reference).

10–1256 **Training War Dogs—Basic Exercises**

Exercising discipline—Control of emotions—Teaching dog to heel, sit, lie down, come to attention, hurdle a 3½-foot wall, and relax—Rewarding animal with praise (21 min—1943—Film Reference).

10–1473 **Your Proudest Duty**

Duties and responsibilities of military personnel selected as escorts for return of war dead (27 min—1947—Film Reference).

10–1479 **New Mobile Bakery Equipment**

Technical detailed operation of new mobile bakery—Comparison with older type field units—Advantages—Manpower economy—Time and temperature control—Automatic kneading of dough (23 min—1949—Film Reference).

10–1514 **Service of Food**

Importance of serving food in attractive manner—Work of army mess steward and kitchen crew—Attractive food, properly served, as an aid in building morale (13 min—1949—Color—Film Reference).

10–1527 **Central Meat Cutting Plants**

Processing in meat plant by production-line methods—Planning, operation, and distribution (17 min—1950—Film Reference).

10–1530 **Materials Handling Methods**

Method of handling materials, particularly in large warehouses—Loading and unloading bulk equipment by fork-lifts, hand trucks, and dollies (22 min—1949—Film Reference).

10–1583 **Consolidated Messing Operations**

Operation of a consolidated mess—Managing personnel—Assigning jobs—Planning and cooking meals (14 min—1949—Film Reference).

10–1611 **Depot Organization and Operations**

Function and mission of the army depot—General depot—Branch depot—Organization of a typical depot and depot operations—Tracing a routine requisition for supplies through depot offices (11 min—1950—Film Reference).

10–1614 **Quartermaster Reclamation and Maintenance Company, Semi-mobile**

Field reclamation of clothing and equipment—Post battle salvage—Operation of shoe, clothing and textile, and equipment repair sections (15 min—1950—Film Reference).

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10–1640	**Handling of Fresh Fruits and Vegetables** Major characteristics, varieties, and defects of fresh fruits and vegetables—Precautions in handling and storage (38 min—1950—Color—Film Reference).
10–1654	**Ration Breakdown** Ration servicing in the field from a divisional class I supply point—Essential factors for first rate ration service (10 min—1950—Film Reference).
10–1742	**Petroleum Supply Point Operations** Operations quartermaster petroleum supply units—Methods, procedures, and mechanics of cleaning, dispensing, and storing equipment—Supply replacements—Stock maintenance—All-terrain conditions—Flexible hose-header—Safety precautions—Fire hazards (27 min—1952—Film Reference).
10–1835	**Packing of Parachutes—Part III—The G–13 Cargo Parachute** Correct packing procedures for packing the G–13 parachute are illustrated step-by-step (10 min—1953—Film Reference).
10–1836	**Operation of the 97–10 Sewing Machine** Illustrating step-by-step operation of the 97–10 sewing machine, designed to sew heavy duck—Identification of component parts—Variation of stitch range to meet specifications of individual jobs (16 min—1953).
10–1870	**The Preparation of Dehydrated Foods** Demonstration by armed forces cooks of correct methods of preparing a variety of dehydrated foods—Advantages to armed forces of use of dehydrated foods (32 min—1954—Color—Film Reference).
10–1911	**Preparation of Foods—Part I: Basic White Sauce, Breaded and Ground Meats** Detailed demonstration showing how to prepare various sauces, breaded and ground meats, using standard field equipment and following prescribed army recipes (17 min—1954—Film Reference).
10–1932	**Operation of the 50-Gallon-per-Minute Petroleum Dispenser** Designed to transfer petroleum products to 50-gallon drums, and for bulk transfers of fuel in emergencies—Two models of 50-gpm type are shown—Construction and essential parts are discussed and differences noted—Complete operational cycle illustrated (21 min—1954—Film Reference).
10–1933	**Operation of the 225-Gallon-per-Minute Petroleum Dispenser** Application, maintenance, transportation, storage, and safety procedures of 225-gpm dispenser—Complete operational cycle illustrated (23 min—1954—Film Reference).
10–1945	**Packing the T–10 Troop Parachute** Demonstrates in detail the correct way to pack the T–10 troop parachute—A parachute properly packed and correctly employed cannot fail (33 min—1954—Film Reference).

TF No.	
10-1960	**M-1937 Field Range Fire Unit—Part I: Principles of Operation—Part II: Maintenance** Function, component parts, and operation—Inspections and servicing—Disassembly, cleaning, and reassembly of the unit (36 min—1955—Film Reference).
10-2086	**Store It Right** Supplying the army with the materials of war—Fundamental principles of army depot operation in the ZI—Comparison with depots in communication and combat zones (20 min—1945—Film Reference).
10-2087	**Truck Operation in the Combat Zone** Five essential rules for driving in combat zone—Know your destination—Condition your truck—Keep distance from friends—Keep distance from enemies—Watch road and guard it (12 min—1945—Film Reference).
10-2095	**Operator's Care and Maintenance of Materials—Handling Equipment** Importance of care and maintenance of equipment—Driver's responsibilities in operation of fork-lift trucks and tractors (Clark, Mobilift, Towmotor) (17 min—1945—Film Reference).
10-2208	**Operation of the Mobile Petroleum Laboratory** Preparations for operation—Major compartments, units, and test equipment of laboratory trailer—Tests conducted to determine quality—Move to a forward supply area—Packing and storing equipment for transit (23 min—1955—Distribution in CONUS and overseas—Film Reference).
10-2242	**Mess Personnel—Profit and Loss in the Kitchen** Desirable techniques of controlling waste—Proper operating procedures—Inspection of supplies—Storage methods—Operation of equipment—Prescribed cooking practices—Proper serving of food—Salvage control—Vermin and rodent control (18 min—1956—Color—Film Reference).
10-2243	**Mess Management—Conservation Control in the Management of a Mess** Functions of mess management in relation to prevention of waste—Personnel training and attitude, duties of mess officer, food advisor, and unit commanders (14 min—1956—Film Reference).
10-2244	**Food Conservation—The Dollars and Sense of Good Eating** Economic merits of taking just enough food for individual capacity—Conscious avoidance of waste to allow for menu *extras* (9 min—1956—Film Reference).
10-2283	**Hand Dishwashing and General Scullery Practice** Scrap and sort dishes—Scrub in warm detergent water solution—Rinse and sanitize in hot water—Stow—Clean scullery completely—Importance to military health (11 min—1955—Distribution to film exchanges in CONUS servicing Food Service Schools).

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10–2284	**Machine Dishwashing, Single Tank** Scrap, sort, preflush, and rack dishes—Check and operate machine—Stow dishes correctly—Clean machine completely (12 min—1955—Distribution to film exchanges in CONUS servicing Food Service Schools).
10–2285	**Machine Dishwashing, Double Tank** Scrap, sort, preflush and rack dishes—Pre-operation check of machine—Operate machine—Stow dishes—Clean machine completely (11 min—1955—Distribution to film exchanges in CONUS servicing Food Service Schools).
11–257	**Care and Maintenance of Tapered Roller Bearings** Adjustment of tapered roller bearings—Disassembly, cleaning, inspection, lubrication, and reassembly (31 min—1941—Film Reference).
11–298	**The Mitchell Camera** Parts and operation of 35-mm professional motion picture camera—Motor—Lenses—Magazines—Tripods (17 min—1942—Film Reference).
11–590	**Climbing and Working on Poles** Use of lineman's equipment TE–21 in construction and repair—Testing by pike pole and inspector's probe—Use of climbers and safety belt—Care of equipment (15 min—1942—Film Reference).
11–621	**Care and Release of Pigeons in the Field** Use of pigeons for signal communications—Care in handling and releasing (10 min—1942—Film Reference).
11–622	**Electricity and Magnetism—Part I: Elements of Electricity** Breakdown of molecule into atoms—Relation of proton and electron to electricity (14 min—1942—Film Reference).
11–951	**Pole Line Construction—Part I: Erecting Telephone Poles** Procedure for mapping pole line route—Attaching cross arm—Digging holes—Erecting and facing poles—Tools used—Proper use and care of equipment (18 min—1943—Film Reference).
11–952	**Pole Line Construction—Part II: Installation of Cross Arms** Cross arm characteristics—Attaching cross arm with pole on ground or in position—Multiple cross arms—Fixing transposition brackets (9 min—1943—Film Reference).
11–968	**Pole Line Construction—Part III: Installation of Special Cross Arms** Uses and manner of attaching buck and extension arms—The H fixture (13 min—1943—Film Reference).
11–1069	**Pole Line Construction—Part IV: Fundamentals of Guying** Side, head, pole to stub, and two- or four-way storm guys to provide extra support for poles—Methods of installation—Operation of the guy rule (10 min—1943—Film Reference).

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11–1070	**Pole Line Construction—Part V: Installation of Anchors** Installing expanding plate, cone, and improvised log anchors for pole line support (9 min—1943—Film Reference).
11–1071	**Pole Line Construction—Part VI: Installation of Guys** Eyebolt and wrap methods for installation of guys—Precautionary measures (10 min—1943—Film Reference).
11–1088	**Pole Line Construction—Part VII: Stringing Open Wires** Stringing wires over open territory—Running board, guideline, and automatic feed reels—Check for sag and tension (18 min—1943—Film Reference).
11–1187	**Electricity and Magnetism—Part III: Voltaic Cell, Dry Cell, and Storage Battery** Principles involved (18 min—1943—Film Reference).
11–1188	**Frequency Meter SCR–211** Principles—Setting meter as standard for tuning radio receiver and transmitter to same frequency (18 min—1943—Film Reference).
11–1199	**Use of Field Telephone** Proper use in combat areas—Procedure when on common battery system—Cranking methods with multiple hook-up local battery system—Directory—Security and operating procedures (16 min—1943—Film Reference).
11–1200	**Electricity and Magnetism—Part II: Ohm's Law** Elements of electricity—Source, transmission, and use of electrical energy—Composition of matter—Ohm's Law—Purpose and use of related meters (19 min—1943—Film Reference).
11–1219	**Electricity and Magnetism—Part IV: Charging Storage Batteries** Charging, care, and preparation of storage batteries—Constant voltage methods and modifications (16 min—1943—Film Reference).
11–1228	**Teletypewriter Sets EE–97–A and EE–98–A—Part I: Field Installation** Importance of teletypewriter in the army's communication system—Advantages—Speed—Accuracy—Relative security (14 min—1943—Film Reference).
11–1229	**Teletypewriter Sets EE–97–A and EE–98–A—Part II: Field Testing** Steps necessary to put the EE–97–A in operation (15 min—1943—Film Reference).
11–1230	**Teletypewriter Sets EE–97–A and EE–98–A—Part III: AC Installation** Connecting and adjusting Teletypewriter Set EE–98–A for use with ac power source—Installing set inside building where commercial service is available—Use of rectifier (10 min—1943—Film Reference).
11–1317	**Installation of Field Cable** Description, use, and capacity of spiral-four cable—Ground

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	surface installation—Above ground—*Plowing in* with cable plow LC–61 (20 min—1944—Film Reference).
11–1342	**Tuning Transmitters—Part I: Setting Frequency** Basic principles of setting frequency on field radio transmitters—Zero beat methods—Three types of standards—Frequency meter, built-in calibrator, and net control station—Crystal controlled transmitters (16 min—1944—Film Reference).
11–1384	**Loading and Unloading Poles** Loading and unloading poles from flatcar or trailer—Safety precautions (21 min—1944—Film Reference).
11–1385	**Technical Principles of Radar—Part I: Introduction** Basic theory—Nomenclature—Types—Detection-search aircraft warning, homing, and navigational aid—PPI—Solving problems with radar (22 min—1945—Film Reference).
11–1386	**Technical Principles of Radar—Part II: Mechanics** Mechanical components producing electrical pulse that detects enemy targets (22 min—1945—Film Reference).
11–1387	**Technical Principles of Radar—Part III: Indicators** Cathode-ray tubes—Type A and plan position indicator—Components of the scope—Formation of visible dot on fluorescent screen—Base line—Pip (45 min—1946—Film Reference).
11–1397	**Facsimile Equipment RC–120—Part I: Theory and Description** Transmitting and receiving facsimile copies of photographs, messages, diagrams, and maps (20 min—1944—Film Reference).
11–1398	**Facsimile Equipment RC–120—Part II: Operation** Direct recording process—Advantages of facsimile process (23 min—1944—Film Reference).
11–1406	**Erecting Large Poles** Three methods of erecting large poles with equipment normally issued to signal construction units—Blasting a pole into ground unsuitable for digging methods (26 min—1945—Film Reference).
[C] 11–1420	**Radar Anti-Jamming for the Radio Operator—Part I—Receiver Adjustments (U)** (29 min—1945).
[C] 11–1421	**Radar Anti-Jamming for the Radar Operator—Part II—Recognition of Electronic Jamming (U)** (28 min—1945).
[C] 11–1422	**Radar Anti-Jamming for the Radar Operator—Part III—Window (U)** (32 min—1945).
11–1425	**Preventive Maintenance Practices for Ground Signal Equipment** Preventive maintenance at depots, in transport, and in use—FITCAL system of maintenance—Precautions against fungus growth, dust, heat, and humidity (19 min—1945—Film Reference).

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11–1487	**Communications in the Infantry Division** Planning and coordinating in combat—Signal communications in the exercise of command—Role of division signal officer and division signal company in establishing communications (39 min—1948—Film Reference).
11–1488	**Communications in the Infantry Regiment** Message center—Systems of wire communications and radio nets within the infantry regiment, between regiments, and to supporting units (26 min—1948—Film Reference).
11–1553	**Basic Telephony** Operating principles—Schematic and wiring diagrams—Four circuits—Transmitter primary, receiver (secondary), generator, and ringer (20 min—1949—Film Reference).
11–1555	**Multiple Switchboards—Installation and Operation** Organization of typical field army—Telephones and switchboards used for forward observation posts to army headquarters—Advantages of multiple switchboards over interposition trunking of switchboards—Operation—Tactical use, advantages and traffic capacity of common and local battery systems (24 min—1949—Film Reference).
11–1564	**Field Wire Splices** Methods of splicing wire in the field—Standard field wire and T-splices—Expedient splices for solid conductors—Bridge connectors—Types of knots—Seizing wire and insulation—Care in splicing (15 min—1950—Film Reference).
11–1567	**Microwave Oscillators** Magnetron and klystron oscillators for radar system able to operate in microwave region—Theory of operation (18 min —1949—Film Reference).
11–1572	**Film Tactics** Motion pictures as training aid—Preparation by instructor —Ventilation of classroom—Introductory remarks—Discussion after showing—Final examination (23 min—1949—Film Reference).
11–1574	**The Technique of Good Projection** Selection and training of personnel for projection work—Projection of 16-mm film (36 min—1950—Film Reference).
11–1632	**The Effects of the Ionosphere on Radio Wave Propagation** Theory of ionization—Relationship of ionosphere to radio wave propagation—Explanation of ionosphere—Effects on long range transmission of radio messages (30 min—1950—Film Reference).
11–1635	**Field Wire Ties** Use—Hasty and semipermanent types—Loop, square knot, marlin, and basket-hitch ties (15 min—1950—Film Reference).
11–1636	**Field Wire Line Construction** Functions and importance of field wire—Importance of good construction in maintaining communications (24 min—1950—Film Reference).

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11–1637	**Field Wire Laying Equipment** Types of reel units designed for field conditions—RL–26–C mounted on 7½-ton 6x6 truck—RL–31 mounted on small vehicle or carried by two men—RL–27–B and CE–11—Other types of wire-laying equipment (20 min—1950—Film Reference).
11–1646	**Maintenance of the Coaxial Line** Maintenance of transmission line essential to good radar performance—Types of transmission lines—Methods of replacing damaged sections (20 min—1951).
11–1649	**Large Communication Centers—Part II: Tape Relay Procedures** Operation of typical communication center as part of world-wide Army Command and Administrative Network—Processing tape relay traffic—Preparation of message for transmission—Relaying messages—Receiving messages—Message format—Correct preparation of tapes—Overall efficiency of ACAN determined by efficiency of individual communication center and each participating operator (21 min—1951—Film Reference).
11–1666	**Circuit Testing with Meters and Multimeters—Theory** Basic principles of meters and multimeters—Use of meters and multimeters in operation and maintenance of communications equipment—Building a meter—The ammeter, milliammeter, voltmeter, vacuum-tube voltmeter, ohmmeter, tube tester, and wattmeter—General purpose multimeter—Importance of meter and multimeter in radio, telephone, and teletypewriter trouble shooting (35 min—1952—Film Reference).
11–1667	**Circuit Testing with Meters and Multimeters—Practical Application** Indispensability of meters and multimeters in maintenance, operation, and repair of electronic equipment—Voltohmmeters, Wheatstone bridge, decible meter, and tube tester—Step-by-step use of meters—Use in testing transformers, capacitors, resistors, telephone loop circuits—Necessity for technicians reading and keeping handy the operating manuals for this equipment—Safety practices—Handling meters with care in order to preserve accuracy (33 min—1952—Film Reference).
11–1668	**Circuit Testing—Signal Generators** Purpose of signal generators for testing, tuning, and alining electronic equipment—Signal generator theory and practice—Operation of oscillating circuits—Theory and use of audio oscillators—Description and demonstration of various radio-frequency oscillators—Theory of modulation and its relation to signal generators—Use of complementary equipment—Processes of alinement and signal tracing—Safety precautions in handling the equipment (26 min—1952—Film Reference).
11–1694	**Radio Operator Training—Technique of Hand Sending** Important parts of transmitter—Elements of Morse Code—Timing and parts of body that function when transmitting code (9 min—1951—Distribution limited to ZI—Film Reference).

TF No.

11–1695 **Radio Operator Training—Rhythm, Speed, and Accuracy in Hand Sending**

Sequence in rhythm and timing—Comparison of sender ability of recording tape (11 min—1951—Distribution limited to ZI—Film Reference).

11–1733 **Communication Center—Procedure for Corps and Lower Headquarters—Part I: Outgoing Messages**

Proper procedure for handling outgoing messages—Handling of classified messages—Use of message center log—Procedure for transmitting relay messages (17 min—1951—Film Reference).

11–1734 **Communication Center Procedures for Corps and Lower Headquarters**

Describing briefly the operations of a communication center at corps lower level—Efficiency of message handling—Incoming message procedure—Personnel (7 min—1951—Film Reference).

11–1752 **How to Operate the Army 16-mm Sound Projector Set**

Operation of army 16-mm Sound Projector AN/PFP–1—Setting up and checking the equipment—Method and techniques of threading and operating—Steps in first echelon maintenance —Cleaning the film path—Emphasizing the aperture and pressure plates—Cleaning the projector lamp reflector and projection lens—Replacement of lamps and fuses (31 min—1952—Film Reference).

11–1776 **Operation and Maintenance of Communication Equipment in Extreme Cold**

Extremes in weather challenge the efficiency of men and equipment—Intensive research evolved standard methods of winterizing communication equipment under subzero conditions —Effects of extreme cold on materials in equipment—Preventive measures for proper maintenance—Changes in operating techniques to forestall damage or destruction caused by frost, snow, and excessive cold (21 min—1952—Film Reference).

11–1779 **AN/TRC—The Radio Relay System of Communications**

Illustrating the use and integrated operation of the multichannel radio relay and carrier system, AN/TRC—How to install, aline, and operate the complete network from switchboard to switchboard easily and swiftly (42 min—1952—Film Reference).

11–1793 **Radio Sets AN/GRC–3, –4, –5, –6,–7, and –8**

This film illustrates the characteristics, components, and mechanical operation of these building-block type sets, which can be made into many equipment combinations—They have simplicity, standardization, and range of employment among the various arms (15 min—1952—Film Reference).

11–1823 **Erection of the AS–19/TRC–1 Antenna System**

Explaining the proper technique of erecting the AS–19/TRC –1 antenna system used in vhf radio communications—Erection by as few as two men is possible if procedures are followed (14 min—1953—Film Reference).

TF No.

11–1831 **Tuned Circuits**

Theories of electronics of tuned circuits—Three elementary types, resistive, capacitive, and inductive, ac and dc—Circuit combinations, series circuits, series resonant tuned circuits, and parallel resonant tuned circuits—Application of theories (28 min—1954).

11–1837 **Line-up Procedure for Tactical Telegraph Carrier Equipment**

How to set up tactical telegraph carrier equipment for two wire operations—Wiring operations—Adjusting ac and dc rectifiers—Setting up test units—Send and receive relay tests—Receiver current test—Local and distant station tests (7 min—1953—Film Reference).

11–1838 **Line-up Procedure for Tactical Telephone Carrier Equipment**

Techniques and procedures for lining up telephone carrier terminal (CF–1–A) and ringer equipment (Voice Frequency Ringer EE–101–A), and for wiring the circuit—Synchronization between east and west terminals and repeater station (11 min—1953—Film Reference).

11–1839 **Line-up of Field Teletypewriter Set EE–98–A**

Step-by-step procedure for lining up the field teletypewriter (EE–98–A), printer (TG–7B), typing unit, rectifier (RA–87), and line unit (BE–77)—Importance of local and long distance testing to insure efficient operation (8 min—1953—Film Reference).

[C] 11–1853 **Operation of The Converter M–209 (U)**

(31 min—1953).

11–1882 **Manual Teletypewriter Operation and Procedures—Part I—Teletypewriter Operation**

How to operate the teletypewriter properly (9 min—1953—Film Reference).

11–1883 **Manual Teletypewriter Operation and Procedures—Part II—Teletypewriter Procedure and Preparation of Message**

The actual transmission of a message—Discussion of prosigns and operating signals—Line-by-line breakdown of message format and procedure—Establishing communication between one or more stations—Calling and answering in a loop-type net (16 min—1954—Film Reference).

11–1884 **Manual Teletypewriter Operation and Procedures—Part III—Single and Multiple Calls—Making Corrections and Repetitions**

Explains mechanics of single and multiple calls—How to make corrections and repetitions on messages (8 min—1953—Film Reference).

11–1885 **Manual Teletypewriter Operation and Procedures—Part IV—Maintenance and Summary**

Precautions to keep machine breakdowns to a minimum—Recapitulation of key factors—Teletypewriter operations must

TF No.

be in accordance with prescribed procedures and regulations (11 min—1954—Film Reference).

11–1900 **The Single Sideband Multichannel Radio System**

Through this system great quantities of radio transmissions can be handled simultaneously—How system operates—Transmission and reception differences compared with standard broadcast station—Twin channel single sideband transmitter with built-in monitoring circuit for measuring distortion—Block diagram traces course of receiver and test equipment—Voice-frequency terminals in operation—Theory of diversity tones developed on three-dimensional model (39 min—1954—Film Reference).

11–1959 **Open Wire Transposition Systems**

Types and construction of single-point transpositions—How they improve communications—Cause for *cross talk*—How it is remedied—Use of army simplified scheme (17 min—1955—Film Reference).

11–1976 **Radio Transmission Security**

Violations of radio transmission security in a task-force operation involving ground forces, air forces, and navy—Security precautions—Channels by which the enemy learns our plans (28 min—1955).

11–1995 **Defense Against Radio Jamming**

How to recognize radio jamming—Types of jamming—How to reduce its effectiveness with adequate counter-measures (24 min—1956).

11–2061 **Use of Voice Radio**

Procedure and techniques of voice radio communications—Use and adjustment of hand, throat, and lip microphones (28 min—1944—Film Reference).

11–2062 **Theory of Simplex and Phantom Circuits—Part I: Balanced Conditions**

Importance in battle—Advantages—Three operating principles of coil—Series of simplex and phantom circuits (14 min—1944—Film Reference).

11–2063 **Theory of Simplex and Phantom Circuits—Part II: Unbalanced Conditions**

Field conditions—Special symptoms of unbalanced circuits—Crossringing, crossfire, relay chatter, and cross talk (19 min—1944—Film Reference).

11–2069 **Basic Principles of Frequency Modulation**

Theory and mechanics of fm transmission and reception—Advantages for military communications—Comparison of fm and am transmission (31 min—1944—Film Reference).

11–2088 **Fundamentals of Carrier Telephony—Part I: Principles and Applications**

Two main carrier systems used by the army—Package C system—CF–1–A and CF–3–A equipment illustrating spiral-four system (13 min—1945—Film Reference).

TF No.

11–2089 **Fundamentals of Carrier Telephony—Part II: Terminal and Repeaters**

Channel functioning of terminal CF–1–A—Telephone repeater CF–3–A—Purpose—Transmission levels and repeater spacing (25 min—1945—Film Reference).

11–2091 **Tuning Transmitters—Part II: Amplifier and Antenna Tuning**

Radio-frequency amplifiers in high-powered transmitter—Antenna circuits—Antenna tuning and control—Tuning set SCR–193 (20 min—1945—Film Reference).

11–2180 **Radio Sets AN/PRC–8, –9, and –10**

Technical characteristics, similarities, and differences of the three sets—Frequency—Operating channels—Methods of tuning—Operation—Maintenance—Typical installations—Tactical employment—Use of auxiliary equipment (26 min—1955).

11–2181 **Calibrating and Tuning Radio Set AN/PRC–10**

Step-by-step procedure for calibrating and tuning Radio Set AN/PRC–10 (9 min—1955).

11–2221 **Dodge Leveling Film No. L1—Work Pace**

Designed for time study technicians engaged in work pace leveling—Depicts 26 typical manufacturing operations at normal pace, followed by performance at accelerated pace—Audience requested to level each operation (20 min—1955—Distribution limited to central film libraries in CONUS for loan to using units concerned—Commercial Adaptation).

11–2234 **Fundamentals of Radiac Instruments**

Review of basic atomic theory—Characteristics and uses of accumulation and intensity devices—Emphasis on accurate calibration for efficient operation (25 min—1955).

11–2235 **Servo Systems and Data Transmission—Part I—Fundamentals of Servo**

Functioning of servo components—Input, Sensing Device, Controller, Output—Torque, Feedback—Use of Servo System in fire control (17 min—1956).

11–2236 **Servo Systems and Data Transmission—Part II—Basic Principles of Positioning Servos**

Servo function in radar—How antennas are positioned—Error signal, antenna hunting derivative control, error-rate antihunt methods (33 min—1956).

11–2238 **Principles of Multivibrators**

Theory of operation—Use as electronic timing device—Action within circuits of free-running plate-coupled, one-shot and synchronized multivibrators (26 min—1956).

11–2281 **Metallic Detector, AN/PRS–3, Internal Tuning, Field Expedient Method**

Preparatory steps for alignment—Setting switches and meter—Adjusting sensitivity control R36, Course R & X control and amplitude control (4 min—1956).

11–2298 **Calibration Procedure, Set NR–2, RT 70**

Setting controls and assigned frequency of 52.2—Calibrating

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	to 52.0 megacycles—Outer ring adjustment—Adjustment control (9 min—1956).
11–2317	**The Army Command and Administrative Network—Part I—Network Facilities** Development, mission, and operation of ACAN—Operation of semiautomatic and automatic tape relay equipment, facsimile equipment, voice radio channels and other communication equipment (20 min—1956—Replaces TF 11–1648).
11–2399	**Use of the Cable Lashing Machine LC–231/FT** Features of LC–231/FT—Step-by-step procedures in lashing lead covered cable to the suspension strand (10 min—1956).
11–2400	**Use of Coffing Hoist and Strand Dynamometer** How equipment is used to remove suspension sway and to tension the suspension strand properly for aerial lead covered cable (6 min—1956).
12–1529	**Officers Career Management** Career management within combat arms—Applicable to all arms and services (34 min—1949—Film Reference).
12–1653	**The Army Statistical and Accounting System** Compiling and maintaining current information on military personnel—Use of machines, filing methods, and working procedures (32 min—1950).
12–1689	**The Conspiracy Against Rudy Weber—Army Air Force Postal Service** Addressing of servicemen's mail—Violation of postal procedures causing delay in mail delivery—Claiming postal conspiracy—Operation of mail system—Local post office, railway mail car, camp post office, and unit mail room—Port of embarkation, oversea base post office, and replacement depot mail room (20 min—1951—Film Reference).
12–1808	**Recreation Leadership** A typical recreation program conducted under proper leadership is vital to the military training program (23 min—1953—Film Reference).
15–1920	**Uniform Code of Military Justice** Origin of Articles of War—Purpose and composition of courts-martial—Various types of courts-martial—Procedure of courts-martial—Stages of review up to Court of Military Appeals—Comparison of unique quality of military and civilian conduct—Articles of the Code—Punitive crimes—The honorable discharge (45 min—1954—Film Reference).
15–1946	**The Investigating Officer** Functions performed by the investigating officer conducting an investigation as preparatory step to a possible court-martial, in compliance with Article 32: Uniform Code of Military Justice—Mental and moral approach to problem—Each phase of investigation illustrated (49 min—1954—Film Reference).
15–1950	**The General Court-Martial** Step-by-step procedures, legal and technical aspects of the general court-martial (73 min—1954—Film Reference).

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15–1961	**The Summary Court-Martial** Several typical cases illustrate this simplified court procedure for handling relatively minor charges (45 min—1954—Film Reference).
15–1967	**Nonjudicial Punishment** Typical cases illustrate the proper procedure for administering nonjudicial (corrective) punishment as authorized under Article 15: Uniform Code of Military Justice (26 min—1954—Film Reference).
16–1556	**From Whence Cometh My Help** Purpose, methods, and effects of pastoral counseling—Wounded soldier on Corregidor seeks advice of chaplain—Returning soldier discusses marital difficulties—Sergeant who wants to enter church—Prisoner in guard house—Two psychoneurotics and case of Negro soldier who need spiritual guidance from chaplain—Soldiers call on chaplain when need for counseling arises (30 min—1949).
16–1693	**As Deep As the Heart** Army chaplain always available to provide for soldiers' religious needs (40 min—1951—Film Reference).
16–1699	**For Which We Stand—Let's Get It Straight** Harmful effects of excessive drinking (15 min—1951—From Navy Film MN 5321–B).
16–1700	**For Which We Stand—To Be Held In Honor** Effects of indiscriminate sexual indulgence—Prostitution—Sanctification of intercourse by marriage (21 min—1951—From Navy Film MN 5321–C).
16–1753	**The Military Funeral** This training film, for officers-in-charge and chaplains, gives detailed instruction on each phase of correct military funeral procedure (48 min—1952—Film Reference).
16–1943	**The Chaplain Story** Combat chaplain in action—Mission—Responsibilities (15 min—1954—Film Reference).
17–1508	**The Reconnaissance Platoon and Company** Functions and operations—Security mission in protecting flanks of main body (27 min—1948—Film Reference).
17–1515	**The Tank-armored Infantry Team** Tactical use of tank-armored infantry team in armored division—Comparative strength of tanks and infantry—Utilization in varying tactical situations—Forming tank-armored teams from battalions of armored division—Typical march formation—Reinforced battalion in various tactical situations—Organization of assembly area—Advanced guard—Reduction of enemy defensive area—Consolidation of objective and preparation for continuing attack (26 min—1949—Film Reference).
17–1547	**The Reinforced Tank Battalion in the Attack** Planning and coordinating large-scale armored offensive operation—Steps from combat commander to armored battalion

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commander—Orders—Execution of orders (33 min—1950—Film Reference).

17–1548 **Range and Speed Determination**

Importance to tankers—Methods of range determination—Estimating range by eye—Apparent speed of target and methods of estimation—Determination of lead in miles and allowance for the speed of the projectile (24 min—1950—Film Reference).

17–1698 **Reinforced Tank Battalion, Planning and Conduct of Delaying Action**

Withdrawal plan—Reconnaissance of first and second delaying positions—Execution of plan by teams—Action of security patrols and supporting units (22 min—1956—Film Reference).

17–1715 **Reinforced Tank Battalions of a Combat Command in the Mobile Defense**

This film shows a typical mobile defense counterattack by a reinforced tank battalion—Step-by-step details of the master defense plan—Emphasis is on the role of the battalion commander in all phases of planning and conduct, and the close cooperation of all units (22 min—1952—Film Reference).

17–1716 **The Reinforced Tank Company in the Attack**

This film depicts the activities of a reinforced tank company preparing for an attack and the conduct of the attack—Detailing all steps including personnel briefing by the company commander, reconnaissance, marking of tank positions, and preparation of communications and supplies—The attack—Coordinating all movements and supporting fires—Reorganizing company after accomplishment of mission (28 min—1952—Film Reference).

17–1727 **Operation of the Reconnaissance Battalion Armored Division**

Mission, organization, operation, and employment of reconnaissance battalion of armored division in major attack against aggressor force—Battalion responsibility for flank security, reconnaissance, and delaying action—The plan, maneuver, order of advance, communication system, and actual forward movement to secure objectives (23 min—1952—Film Reference).

17–1767 **Orientation on Armor**

The experience gained in North Africa and Europe during WW II has influenced the new American field army—This armored army means firepower, mobility, and shock action—It includes in addition to tanks, armored personnel carriers, self-propelled artillery, mobile support service of fuel, ammunition, and food—Purposes of M41 light tank, M48 medium tank, and the heavy tank (12 min—1954—Film Reference).

17–1903 **Armor Organization, Weapons, and Tactics**

A demonstration of armor organization, firepower, and tactics—Demonstration of basic combat elements of armored division—A firing demonstration of vehicular weapons—Tactical demonstration of reinforced tank company in attack—The concept of combined arms teams—Armored units organic to

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armored division—Armored vehicular weapons—Illustration of employment of reinforced tank company in every stage of attack (27 min—1954—Film Reference).

17-1968 **Tank, 76-mm Gun, M41 and M41A1, Crew Firing Duties—Part I—Preparing for Action**

Positions and firing duties of crew—Handling and stowage of rounds—Coordinated action in the prepare-to-fire procedure—Variations in M41 and M41A1 tanks (17 min—1955—Distribution limited to central film and equipment exchanges in CONUS and OS—Film Reference).

17-1969 **Tank, 76-mm Gun, M41 and M41A1, Crew Firing Duties—Part II—Firing Duties**

Firing duties of crew as they carry out fire command—Detecting and correcting causes for misfires—Clear and secure guns procedure (13 min—1955—Distribution limited to central film and equipment exchanges in CONUS and OS—Film Reference).

17-1970 **Tank, 90-mm Gun, M47, Crew Firing Duties—Part I—Preparing for Action**

Positions and firing duties of crewmen—Handling and stowage of rounds—Prepare-to-fire procedure—Cleaning and checking of equipment and loading of guns (17 min—1955—Distribution limited to central film and equipment exchanges in CONUS and OS—Film Reference).

17-1971 **Tank, 90-mm, Gun, M47, Crew Firing Duties—Part II—Firing Duties**

Duties of crewmen as they carry out Fire Command—Detecting and correcting causes for misfires—Clear and Secure guns procedure (15 min—1955—Distribution limited to central film and equipment exchanges in CONUS and OS—Film Reference).

17-1974 **Fundamentals of Tank Turrets—Part I—Introduction and Turret Controls**

Tank turret components—Turret controls and their operation—Development and role of tank during WW I and WW II—Firing demonstration by a tank crew (17 min—1954).

17-1975 **Fundamentals of Tank Turrets—Part II—Vision Devices, Direct Fire Sights and Auxiliary Fire Control Equipment**

Capabilities, functions, and operation of vision devices, direct fire sights, and auxiliary fire control equipment basic to tanks (17 min—1954).

17-1978 **Pioneering by Armor**

Showing how a reconnaissance platoon and a reinforced tank platoon overcome typical obstacles, including those defended by enemy fire—Use of available tools, materials, and field expedients—Emphasis on advance preparation of tools and equipment, alertness and ingenuity (23 min—1955—Distribution limited to central film and equipment exchanges in CONUS and OS—Film Reference).

TF No.	
17–1990	**Actions of the Individual Tank** Characteristics and functioning—Tactical duties of crew members—Control measures for movement of tank—Terrain, security, selection, and occupation of firing positions—Demonstrates preparation in assembly area, on the march, and attack on the objective—Reorganization on objective for further operations (19 min—1955—Film Reference).
17–2117	**Range Finder M12—Part I—Characteristics and Controls** Characteristics and components of the M12—Principles of stereoscopic ranging—Identifies all the controls, explaining their purpose and how they are used (25 min—1955—Film Reference).
17–2118	**Range Finder M12—Part II—Preparation for Ranging** How controls are preset for action—Technical detail of the ICS (internal correction system) adjustment—Accuracy and efficient operation of the range finder depends on proper adjustment of its controls (14 min—1955—Film Reference).
17–2179	**Range Finder M12—Part III—Sight Adjustment and Use** Steps in boresighting and zeroing procedures—Application in specific firing situations: against stationary targets, against moving targets, and when one of the two optical systems has been damaged—Emphasis on accuracy and speed in ranging for combat effectiveness (13 min—1955—Film Reference).
17–2192	**Tracked Vehicles in Support in Sub-Arctic—Part I—Winter Operations** Features, capabilities, and employment of M76 Otter, M29C Weasel and bulldozer with train of 10-ton sleds—Typical operational problems—Stress on importance of preventive maintenance (20 min—1956—Film Reference).
17–2262	**Full Track Vehicle Driving—Part I—Preparation for Driving and Basic Driving** Functions of components (M48 Tanks)—Checks and servicing for smooth operation—Controls and instruments—Starting and Stopping engine—Flat terrain driving (26 min—1956—Film Reference).
17–2263	**Full Track Vehicle Driving—Part II—Advanced Driving** Driving techniques in different types of terrain and under various weather conditions—Combat driving, covering: use of periscope, formations, cover and concealment (22 min—1956—Film Reference).
17–2288	**Elevation Quadrant, M13—Part I—Use of the M13 Quadrant** How the M13 is used to lay the gun at plus 132 mils, and then at minus 49 mils elevation (6 min—1956—Film Reference).
17–2289	**Elevation Quadrant, M13—Part II—Test and Adjustment** How the M13 is tested for accuracy—How the required adjustment is determined—How the adjustment is made (5 min—1956—Film Reference).

TF No.	
17–2290	**Gunner's Quadrant, M1—Part I—End for End Test, Plus Corrections** How the M1 is tested for accuracy using the *end for end test* for a plus .3 mil correction (6 min—1956—Film Reference).
17–2291	**Gunner's Quadrant, M1—Part II—End for End Test, Minus Corrections** How to determine the amount of a minus correction, and how to make the correction—*End for end test* for a minus .2 mil correction (4 min—1956—Film Reference).
19–1482	**Absence Without Leave and Desertion** Effects of AWOL—Effects of desertion on individual and his organization (33 min—1948—Film Reference).
19–1485	**Wearing of the Uniform** Importance of neat appearance—Courtesy—Good behavior—Explanation and demonstration of military personnel (20 min—1948—Film Reference).
19–1500	**He's Your Prisoner** Guarding prisoners inside and outside of stockade (27 min—1948—Film Reference).
19–1552	**Military Police on Trains** Duties and responsibilities of military police and shore patrol on trains and in railroad and bus stations—Tact and diplomacy (34 min—1949—Film Reference).
19–1563	**Collection and Preservation of Evidence** Investigation of a homicide by CID—Checking equipment for collection and preservation of evidence—Examining details of collection, marking, and preseving all evidence—Photogaphic recording or sketching scene of crime—Evaluation of evidence—Questioning of suspects—Solution of crime (62 min—1949—Film Reference).
19–1579	**Traffic Patrols and Escorts** Military police on traffic patrol and escort duty—Techniques for area and organizational traffic control—Safe guidence of convoys through controlled areas by advance escort, leapfrog and truck methods (22 min—1949—Film Reference).
19–1580	**Suspects and Witnesses** Techniques of interviewing witnesses and suspects by agents of CID—Interviewing various types of personalities—Drawing out evidence and obtaining confessions from criminals (52 min—1949—Film Reference).
19–1608	**Rehabilitation of Military Prisoners** Modern penology—Army rehabilitation—Routine of disciplinary barracks administration—Technique of custodial control (34 min—1949—Film Reference).
19–1610	**Prevention of Pilferage—Part I: Depots and Warehouses** Exposing casual and systematic pilferage—Measures to prevent stealing—Principles for effective program—Proper prevention, apprehension procedures (20 min—1952—Film Reference).

TF No.	
19-1634	**Personal Encounter (Judo)—Part I: Basic Principles** Best method of protection against attack—Counterattack principles—Six basic principles—Balance—Stahara (use of stomach muscles)—Maximum versus minimum—Momentum—Major and minor operations—Leverage (6 min—1951—Film Reference).
19-1634a	**Personal Encounter (Judo)—Part II: Falling** Technique of falling correctly (4 min—1951—Film Reference).
19-1634b	**Personal Encounter (Judo)—Part III: Throwing** Three basic throws—Hip, shoulder, and leg hook throws (7 min—1951—Film Reference).
19-1634c	**Personal Encounter (Judo)—Part IV: Follow Through** Judo blow used as follow through (2 min—1951—Film Reference).
19-1634d	**Personal Encounter (Judo)—Part V: Defense against Body Holds** Defenses—Leg smash—Kick to groin (8 min—1951).
19-1634e	**Personal Encounter (Judo)—Part VI: Defense Against Choke Holds** Windmill defense—Wedge—Elbow smash—Wrist take-down—Reverse windmill—Bent arm choke (6 min—1951).
19-1634f	**Personal Encounter (Judo)—Part VII: Taking Prisoners** Finger, wrist, and hammerlock come-alongs (7 min—1951).
19-1634g	**Personal Encounter (Judo)—Part VIII: Defense Against Wrestling Holds** Full Nelson—Side headlock—Front headlock—Hammerlock (4 min—1951).
19-1634h	**Personal Encounter (Judo)—Part IX: Defense Against Knife or Club** Blocking knife thrust or club blow and following with judo throw (9 min—1951).
19-1634i	**Personal Encounter (Judo)—Part X: Offensive Use of the Police Riot Club** Use of police club in crisscross stranglehold, Japanese rear choke, and riot club come-along (7 min—1951).
19-1661	**Prevention of Pilferage—Part II: On Ships and Wharves** Precautionary measures against various methods of pilfering (31 min—1951—Film Reference).
19-1701	**Support in Emergencies—Riot Control** Military police quell riot in hypothetical industrial town—Types of action often successively necessary in such operations—Emphasized importance of military bearing, necessity for remaining well mannered but firm, and the employment of minimum number of troops necessary for success of mission—Suppression of violence without needless bloodshed (29 min—1951—Film Reference).
19-1740	**Guarding Against Sabotage** Techniques, methods, and case histories of sabotage—Fire, explosives, and mechanical means—Industrial plants, transpor-

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tation facilities prime targets—Common conditions inviting sabotage—Preventing unlawful destruction—Responsibilities of civilian and military guards (Revision of TF No. 19–20–32–32 min—1952—Film Reference).

19–1748 **The Airborne Military Policeman**

Explaining, step-by-step, the duties and responsibilities of the military police company assigned to support airborne action—Role and importance before, during, and after the jump and in the command post area (21 min—1952—Film Reference).

19–1794 **Military Police Headquarters**

Illustrating the precise manner of the functioning of the military police headquarters—The duties of both the patrol sergeant and the desk sergeant—The use of the journal (11 min—1952—Film Reference).

19–1795 **Military Police Services**

Illustrates the duties and responsibilities of the military police, the fists and the helping hand of the Army, toward any person subject to military law (9 min—1952—Film Reference).

19–1796 **Military Police Approach—Individuals**

Demonstrates the techniques used by the military police when apprehending, searching, or questioning normally stable persons, and drunks and belligerent suspects (9 min—1952—Film Reference).

19–1797 **Military Police Approach—Vehicles**

Methods employed by military police in apprehending motorists for traffic violations—Overtaking and apprehending criminals—Review of techniques (11 min—1953—Film Reference).

19–1799 **Booking of Military Offenders**

Correct methods and procedures in recording incidents and processing military offenders at military police headquarters—Proper method of searching prisoners and handling their personal property—The offense report and the journal (17 min—1952—Film Reference).

19–1800 **Military Police Duties at Traffic Accidents**

Demonstrating the eight rules of procedure for military police in handling traffic accidents (20 min—1953—Film Reference).

19–1806 **Military Police Support in Amphibious Operations**

Duties and functions in support of combined amphibious assault—Landings of division and support brigade military police—Duties include traffic control of men and equipment, control and direction of beach traffic, parking and spacing of vehicles, providing escorts, directing stragglers to collection points, aiding in capturing enemy snipers and enemy paratroopers, guarding prisoners of war, helping to control movements of civilians and refugees, guarding supplies to prevent pilferage and sabotage (14 min—1953—Film Reference).

19–1807 **Straggler Control**

Military police control the movements of all military and

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civilian persons into or out of the combat area—Straggler problem within division area—detecting, apprehending, and disposing of the lost, sick, and deliberate straggler (18 min—1953—Film Reference).

19–1809 **Geneva Conventions—Handling Prisoners of War**

Techniques and procedures for handling POW's from time of capture to internment in POW camps in accordance with convention, 1949 (25 min—1952—Film Reference).

19–1847 **Industrial Plant Protection**

Vital to national security—Basic physical security standards for insuring uninterrupted defense production—Scale model illustrates mechanical aids to security—Purposes of perimeter defense line and inner defense systems—Need and requirements of good lighting system, efficient communication and alarm system, properly secured locks, and a highly trained guard force (29 min—1953—Film Reference).

19–1938 **Guardhouse and Stockade—Part I—Processing Military Prisoners**

Step-by-step procedures in receiving and processing military prisoners to confinement facilities (29 min—1954—Film Reference).

19–1939 **Guardhouse and Stockade—Part II—Classification of Military Prisoners by Custody Grades**

Types and classification of guardhouse and stockade prisoners—Responsibilities of supervisory and confinement personnel—Importance of continuous classification and reclassification for rehabilitation purposes—Regulations governing custody grades (25 min—1954—Film Reference).

19–1940 **Guardhouse and Stockade—Part III—Security and Control**

Depicts duties of disciplinary guards, control of mass or group movements, forming and moving of work details, shakedowns and searches, and use of weapons in confinement facilities (31 min—1954—Film Reference).

19–2111 **Military Police Town Patrol—Part I—Foot Patrols**

Planning and organization of patrols—Preparation for mission—Familiarization w/patrol route—How to advise and assist soldiers—How to enforce regulations (36 min—1956—Film Reference).

19–2112 **Military Police Town Patrol—Part II—Motor Patrols**

Cruising in patrol area—Visiting off-limits night clubs—handling intoxicated soldier—Quelling brawl—Apprehending intoxicated driver (16 min—1955—Film Reference).

19–2137 **Point Control of Traffic**

Hand and arm signals—Traffic flow through one-way and four-way intersections—Flow cycle—Pedestrian traffic—Right-of-way vehicles—Traffic at defiles (32 min—1955—Film Reference).

TF No.

19–2271 **The Traffic Accident Spot Map**

Use and preparation of map—Symbols used for plotting information, the required scale of the map, and the features of a suitable legend (4 min—1956—Film Reference).

19–2272 **The Collision Diagram**

Use and preparation of diagram—Plotting information,legend, right angle, rear end and side swipe collision patterns (5 min—1956—Film Reference).

19–2275 **Motor Vehicle Spot Speed Studies—Setting up Mirror Boxes**

Positioning boxes—Positioning of observer and recorder—Clocking passing vehicles—Recording data—How studies aid in enforcement (6 min—1956—Film Reference).

19–2287 **Apprehension and Search of Persons**

Technique of taking persons into custody—Conducting frisk, wall, and complete searches—Use of handcuffs—Disposition of female offenders (27 min—1956—Film Reference).

20–1684 **Once Too Often**

Safety film—Recklessness of soldier on leave—Results (25 min—1951).

20–1736 **Introduction to Army Work Simplification**

Demonstrating work simplification in action—Need for and value of the program—Importance of line supervisor to success of program—Flexible Army regulations system permits utilization of managerial improvement program (19 min—1953).

20–1737 **Work Simplification in the Office**

Scope and variety of office work in the Department of the Army—Role of work simplification program—Five tools are: work distribution chart, flow process chart, work count, motion economy analysis, and layout studies—To be preceded by TF 20–1736 (25 min—1954—Film Reference).

20–1738 **Work Simplification in the Shop**

Definition of work simplification program as applied to civilian and military phases of DA—Tools studied and analyzed—Better management at lower cost—Maximum effectiveness possible when program is utilized at all levels (17 min—1954—Film Reference).

20–1771 **Production Control, Part I**

Step-by-step procedure by which management regulates production output to meet fluctuating product requirements of the company's sales efforts—Basic importance of routing in manufacture (11 min—1955—Distribution limited to central film libraries in CONUS only—Commercial Adaptation).

20–1772 **Production Control—Part II**

Three final steps in production control—Scheduling, dispatching, and follow-up (11 min—1955—Distribution limited to central libraries in CONUS only—Commercial Adaptation).

[C] 20–1937 **Tactical Employment of Atomic Weapons In Support of Ground Troops (Defensive) (U)**

(51 min—1955).

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TF No.	
20-1979	**Land Mine Warfare—Part I—Introduction** Employment in offensive and defensive combat tactics—Types, features, and operation of mines (24 min—1956).
20-1980	**Land Mine Warfare—Part II—Siting and Marking** Showing order and method in which siting party lays boundary, centerline, safety line, vehicle and patrol lane tapes—Method in which marking party fences and marks the minefield (11 min—1955—Film Reference).
20-1981	**Land Mine Warfare—Part III—Laying the Minefield** Organization of laying party—Laying mines by hand and vehicle—Mine cluster patterns—Placing Mines M15 antitank, M16 antipersonnel, M14 plastic antipersonnel—Fuzing—Testing, arming, camouflaging, and boobytrapping mines—The completed obstacle (22 min—1955—Film Reference).
20-1982	**Land Mine Warfare—Part IV—Recording and Reporting** Procedures for recording and reporting minefields—Reports of intention, initiation, completion, change, transfer, minimum and maximum record (13 min—1955—Film Reference).
20-1983	**Land Mine Warfare—Part V—Arming, Disarming, and Camouflaging** Showing how to handle mines expertly and safely—Methods of arming, disarming, and camouflaging three representative mines and one flare: M15, M14, M16 mines and M49 flare (24 min—1955—Film Reference).
20-1984	**Land Mine Warfare—Part VI—Boobytrapping Mines** Methods used to boobytrap the M15 heavy antitank mine and the M16 antipersonnel mine—Percentage of boobytrapped mines used in defensive, barrier, and nuisance minefields—Emphasis on checking boobytrap equipment and following prescribed safety procedures (26 min—1955—Film Reference).
20-1985	**Land Mine Warfare—Part VI—Protective Minefields** Step-by-step procedure for the installation of a protective minefield as a combat outpost by a combat platoon—Other uses of a minefield—Final disposition of minefields after it has served its purpose (11 min—1955—Film Reference).
20-1986	**Land Mine Warfare—Part VIII—Nuisance Mining** Application, features, and procedures for accomplishing each of the four types of nuisance mining (area, route, installation, and mining behind the enemy lines)—Use of butterfly mine—Emphasis on reporting nuisance mining (15 min—1955—Film Reference).
20-1987	**Land Mine Warfare—Part IV—Assault Breaching** Procedures and techniques for deliberate and hasty breach of an enemy minefield—Activities and duties of reconnaissance patrol and of breaching parties—Methods of opening and widening lanes for passage of troops—The assault and passage of forces (19 min—1955—Film Reference).
20-1988	**Land Mine Warfare—Part X—Area Clearing** Study of area to be cleared—Checking of minefield records—Reconnaissance of area—Mechanical and manual methods of

TF No.	
	clearing a minefield—Handling and storage of defuzed mines in good condition (12 min—1955—Film Reference).
20–1989	**Land Mine Warfare—Part XI—Behavior in a Minefield** Techniques of moving safely through minefield—Planning best way out—Probing for trip wires and mines—Uncovering and marking trip wires and mines—Marking safety line—Reporting minefield to CP—Moving injured man out (10 min—1955—Film Reference).
21–1007	**Snafu (Fighting Men Series)** Reasons for delays which occur behind the lines (12 min—1943—Film Reference).
21–1018	**Keep It Clean** Importance of keeping soldier's rifle clean—results of individual's carelessness (14 min—1943—Film Reference).
21–1121	**Elementary Tactics of Life Saving** Various methods of approach—Breaking holds—Carrying men in danger of drowning—Carrying victims to shore by firemen's carry and saddle back carry (11 min—1954—Film Reference).
21–1244	**Abandon Ship** Techniques for abandoning ship—Advance preparation—Care of equipment and clothing needed in emergency (29 min—1944—Film Reference—From Navy Film MN 1145).
21–1289	**Locating the Enemy** Enemy methods of reconnaissance—Countermeasures—British Officer's lecture recalling experiences during withdrawal from Dunkirk (17 min—1943—Film Reference—From British Army Film BC 345).
21–1370	**Camouflage—Movement of Individuals and Small Units** Teaches the soldier various devices to use for individual and unit protection against enemy view and fires—Basic principles of camouflage—Shadows (13 min—1944—Film Reference—From British Army Film BC–476).
21–1404	**Ground Action Against Air Attack** Active and passive defensive measures against air attack—Demonstrating effects of ground fire against aerial targets and air fire against ground targets (21 min—1945—Film Reference).
21–1612	**A Penny Saved** Approach to supply discipline aimed at individual soldier—Problems connected with supply discipline—Examples of varied methods of saving—Salvaging and conserving equipment—Carelessness and disregard of common sense in handling equipment—Cases of group and common property damage (28 min—1951).
21–1741	**Seeing in the Dark** Principles and techniques of adapting the eyes to the dark—Using off-center vision and short, scanning eye movements effectively and confidently—Employing infrared equipment (27 min—1952—Film Reference).

TF No.	
21–1840	**Principles of Leadership** Mastery of the 11 principles of leadership illustrated in this film will guide those with leadership potentialities of their subordinates (43 min—1953—Film Reference).
21–1921	**Troop Indoctrination for an Atomic Exercise** Planning for an atomic maneuver—nature and effects of atomic explosions—Protective measures against effects—Various phases of a typical atomic exercise—Emphasis on application of prescribed safety measures for preservation of life (33 min—1955).
21–1965	**Military Courtesy** Necessity for, and basic elements of, military courtesy (17 min—1954—Film Reference).
21–1973	**Escape** When and where chances for escape from enemy custody are most favorable—Planning considerations and precautions—Illustrates escapes, based on case histories, at the front lines, from division inclosure, from truck and train, and from PW camps (45 min—1955—Film Reference).
21–2097	**Camouflage Principles** Use and methods of camouflage—Uses of shades and shadow—Avoidance of light background—Methods of moving to avoid detection and enemy fire—Camouflaging vehicles, gun positions, and fortifications—Selection of site—Avoidance of highlights, color, tone, movement, and shadow (25 min—1945—Color).
21–2098	**Individual Concealment** Importance of correct camouflage for concealment of the individual soldier—Methods, procedure, and techniques of camouflaging—Method of darkening face, hands, and neck (30 min—1945—Color).
21–2099	**Concealment of Vehicles** Techniques of camouflage applied to vehicles in temporary and permanent bivouac—Standard procedure and field expedients for concealing parking area (28 min—1945—Color).
21–2100	**Concealment of Bivouac** Problems involved in selection and camouflage of bivouac area against air reconnaissance—Drapes and flat tops—Natural cover (24 min—1945—Color).
21–2113	**Physical Training, Army Drill Number One—Part I— Exercises 1–4** High jump, bend and reach, squat thrust, and rowing (21 min—1956—Distribution to central film libraries in CONUS and OS).
21–2114	**Physical Training, Army Drill Number One—Part II—Exercises 5–8** Squat bender, push-ups, side bender, and body twist (12 min—1956—Distribution to central film and equipment exchanges in CONUS and OS).
21–2115	**Physical Training, Army Drill Number One—Part III—Exercises 9–12** Squat jumper, trunk twister, stationary run, and 8-count

TF No.	
	push-up (10 min—1956—Distribution to central film and equipment exchanges in CONUS and OS).
21-2116	**Physical Training, Army Drill Number One—Part IV—** Alternate Exercises, Supplementary Activities Bottoms up and turn and bounce—Running in formation, sprints, and cross-country runs—Guerilla exercises—Grass drill—Combative drill—Mass games and relays (10 min—1956—Distribution to central film and equipment exchanges in CONUS and OS).
21-2301	**Military Instruction—Part I—Principles of Learning** Covers the six principles of learning: motivation, objective, doing, realism, background, and appreciation—Importance of appeal to senses to stimulate student interest (23 min—1956—Film Reference).
21-2302	**Military Instruction—Part II—The Stages of Instruction —Preparation** Estimating teaching situation—Selecting and organizing material—Check availability of training aids—Preparing lesson plan—Rehearsing lesson—Final check of all arrangements (12 min—1956—Film Reference).
21-2303	**Military Instruction—Part II—The Stages of Instruction —Presentation** Covers elements and advantages of introduction, explanation, and summary (12 min—1956—Film Reference).
21-2304	**Military Instruction—Part II—The Stages of Instruction —Application, Examination, and Review or Critique** Elements and advantages of application, examination, and review or critique (20 min—1956—Film Reference).
21-2305	**Military Instruction—Part III—Training Aids** Types, characteristics and use of simple and complex training aids—GTA's chalkboards, film strips, slides, transparencies, working models, and motion pictures (23 min—1956—Film Reference).
21-2306	**Military Instruction—Part IV—Speech Techniques** Gaining attention of students—Diction—Mannerisms—Stance—Delivery (11 min—1956—Film Reference).
25-152	**Ignition and the Spark Plug** Fundamentals of construction, operation, and maintenance of spark plugs and ignition systems used in motor vehicles (21 min—1941).
25-333	**The Engine Lathe—Rough Turning Between Centers** Setting up engine lathe for a rough turning job between centers—Piece already cut to length and centered—Safety precautions in dress and work—Various controls on lathe (15 min —1941—Film Reference—From US Office of Education Film No. 6).
25-334	**The Engine Lathe—Turning Work of Two Diameters** Sequence of operations in turning a gear blank with a shaft from a solid piece of round stock (14 min—1941—Film Reference—From US Office of Education Film No. 7).

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TF No.	
25–335	**The Engine Lathe—Cutting a Taper With the Compound Rest and With the Taper Attachment** Operations when turning sharp taper on level gear blank with compound rest and slight taper on shaft with taper attachment (10 min—1941—Film Reference—From US Office of Education Film No. 8).
25–336	**The Engine Lathe—Drilling, Boring, and Reaming Work Held in Chuck** Operations when cutting tapered hole in solid forged steel gear blank—Operations in centering piece in chuck, rough facing, drilling, tapered boring, and reaming (10 min—1942—Film Reference—From US Office of Education Film No. 9).
25–337	**The Engine Lathe—Cutting an External National Fine Thread** Various shapes and uses of national fine thread—Procedures for cutting thread on lathe (12 min—1942—Film Reference—From US Office of Education Film No. 10).
25–338	**The Milling Machine** Parts of earliest standard plain milling machine—Capabilities, operation, and work accomplished on it (7 min—1942—Film Reference—From US Office of Education Film No. 11).
25–339	**The Milling Machine—Cutting Keyways** Setting up shaft on table of milling machine for cutting keyway at each end—Selection of cutter—Determination of speed and feed—Setting machine for depth and length of cut (15 min—1942—Film Reference—From US Office of Education Film No. 12).
25–340	**The Milling Machine—Straddle and Surface Milling to Close Tolerances** Methods and procedure followed when rough milling a solid bar of stock—Finish milling of same piece to given shape and size (27 min—1942—Film Reference—From US Office of Education Film No. 13).
25–341	**The Milling Machine—Straddle Milling** Procedures followed when straddle milling a pair of connecting rods held in a fixture—Function of fixtures in production work illustrated (17 min—1942—Film Reference—From US Office of Education Film No. 14).
25–342	**The Milling Machine—Plain Indexing and Cutting a spur Gear** Set-up of milling machine—Use of dividing head—Cut of 8-pitch spur gear with 36 teeth (25 min—1942—Film Reference—From US Office of Education Film No. 15).
25–343	**The Vertical Boring Mill—Rough Facing, Turning, and Drilling on a Vertical Turret Lathe** Operations used in rough facing, turning, and drilling aluminum casting held in chuck jaws of vertical turret lathe (31 min—1942—Film Reference—From US Office of Education Film No. 16).

TF No.	
25–344	**The Vertical Boring Mill—Rough Facing, Boring, and Turning a Shoulder on a Vertical Turret Lathe** Tooling a vertical turret lathe for work requiring independent use of vertical and side heads (22 min—1942—Film Reference—From US Office of Education Film No. 17).
25–345	**The Vertical Boring Mill—Facing, Turning, Boring, Grooving, Chamfering on a Vertical Turret Lathe, Using Two Heads** Tooling a vertical turret lathe for work requiring simultaneous use of both vertical and side heads (31 min—1942—Film Reference—From US Office of Education Film No. 18).
25–346	**Steel Rule** Steel rule in detail—Various forms in general use—Fractional scales—Correct use (14 min—1942—Film Reference—From US Office of Education Film No. 1).
25–347	**Micrometer** Various forms of micrometers—Reading micrometers—Use and care (15 min—1942—Film Reference—From US Office of Education Film No. 2).
25–348	**Fixed Gages** Types of fixed gages—Importance of mass production of these instruments (17 min—1942—Film Reference—From US Office of Education Film No. 3).
25–349	**Vernier Scale** Principles of vernier scale—Its application to precision measurement (19 min—1942—Film Reference—From US Office of Education Film No. 4).
25–350	**Height Gages and Standard Indicator** Fundamental principles of vernier height gage—Various forms of standard indicators—Their use (12 min—1942—Film Reference—From US Office of Education Film No. 5).
25–624	**Cutting a Keyway on a Finished Shaft** The shaper—Parts and controls—Procedures and precautions in cutting keyway in end of finished steel shaft (13 min—1942—Film Reference—From US Office of Education Film No. 19).
25–625	**Machining a Rectangular Cast Iron Block** Block of cast iron used to show functions and use of parallels and various ways in which a block is set in the vise for rough machining all surfaces—Technique of operation—Use of automatic feed—Hand feeding (15 min—1942—Film Reference—From US Office of Education Film No. 20).
25–626	**Drilling and Tapping a Cast Steel Valve Body** Techniques used when drilling and tapping blind holes in cast steel on a radial drill—Drill jig with loose bushings used for locating holes (19 min—1942—Film Reference—From US Office of Education Film No. 22).
25–627	**Drilling to a Lay-out and Spotfacing a Cast Iron Valve Body** Drilling and spotfacing holes in flange of cast iron valve

TF No.	
	body—Details of setting up work in machine—Adjusting feed and speed—Checking work for accuracy (15 min—1942—Film Reference—From US Office of Education Film No. 23).
25–628	**Machining a Tool Steel V-Block** Laying out material—Seating block in vise—Selecting cutting tools—Adjusting shaper—Precautions (20 min—1942—Film Reference—From US Office of Education Film No. 21).
30–1492	**Exploitation of Aerial Photographs** Importance of aerial photographs with accompanying overlays—Necessity of properly evaluating such material—Briefings for all unit commanders—Aerial map analysis (21 min—1948—Film Reference).
30–1493	**Prisoner of War for Intelligence** Reasons for taking prisoners in combat—Valuable information obtained through proper questioning—Clever use of interrogation (27 min—1948—Film Reference).
30–1494	**Production of Combat Intelligence** On basis of division mission, directs production of combat intelligence for a division mission—Piecing together fragments of information on makeup of enemy forces—Equipment—Positions—Complete picture for plan of action (17 min—1948—Film Reference).
30–1523	**Safeguarding Military Information** Necessity of military and civilian personnel keeping eyes open and mouth shut (16 min—1949).
30–1543	**The Aggressor Force** American soldiers, specially trained and equipped, enact part of aggressor (26 min—1950—Film Reference).
30–1545	**Unit Censorship** Importance of unit censor's activities in overall military censorship program—Necessity for unit censorship in time of war—Duties and responsibilities of unit censors—Use of *blue* envelope—Procedure for having unofficial film processed (26 min—1949).
30–1565	**Military Censorship** Need for censorship in time of war—Case histories—Influence of strict censorship upon successful outcome of mission (20 min—1949).
[C] 30–1569	**Lock Security (U)** (41 min—1949).
[C] 30–1607	**Surveillance (U)** (35 min—1950).
[C] 30–1645	**Investigative Sound Devices (U)** (30 min—1950).
[C] 30–1651	**Informants (U)** (38 min—1950).
[C] 30–1702	**Undercover Operations (U)** (37 min—1951).
30–1735	**On Post Safety** Promotion of on-duty accident prevention philosophy—Aver-

TF No.

age accidents analyzed—Common causes of accidents—Individual responsibility (22 min—1952).

[CM] 30–1739 **Cryptosecurity (U)**
(18 min—1952).

[C] 30–1751 **Investigative Techniques (U)**
(37 min—1952).

30–1922 **The Soviet Army in the Attack**
A 1943 Soviet training film with English dubbed in shows Soviet military methods, techniques, and tactics—Compares American and Soviet systems—Discusses basic Soviet doctrine of fire and movement in offensive (27 min—1954—Film Reference).

[C] 30–1923 **Counter Intelligence Corps in Combat (U)**
(38 min—1954—Film Reference—Exhibition to personnel, all Branches of Service on a need-to-know basis ONLY).

30–1936 **Armies of the World—Part II—The Soviet Army in the Defense**
A Soviet training film with dubbed English commentary, explaining Soviet methods, techniques, and tactics employed in the defense—Difference between Soviet and Amercian systems—Analysis of various phases of the defense (26 min—1955—Film Reference).

30–1957 **Armies of the World—Part II—Soviet Army—Winter Warfare**
Soviet military offensive tactics used during winter campaigns of World War II—Preparation for march—Camouflage—Security element—Movement of troops—Hauling of equipment—Care and use of weapons—Communications—Combat formations—Night and day operations (23 min—1955—Film Reference).

30–1958 **Armies of the World—Part II—Soviet Army—Assault on Fortifications**
Soviet training film, with dubbed English commentary, showing various steps employed by the Soviet Army prior to an assault on fortified positions—Encirclement of the area—Artillery fire—Activity of engineer teams and shock groups—Use of weapons—Advance of assault troops—Penetration into enemy defense—Fighting in built-up area—Preparations for counterattack—Consolidation of positions by reserve units (25 min—1955—Film Reference).

30–1966 **Armies of the World—Part II—The Soviet Soldier**
Characteristics and traits—Fighting capabilities—Comparison with American Army—Military training cycle—Political indoctrination—Uniforms and insignia—Characteristics and application of basic Soviet weapons (29 min—1955—Film Reference).

31–1175 **Field Artillery 105-mm Howitzer Section in Shore-to-Shore Operations**
Loading from beach to boat and ferrying across water—Methods of lashing howitzer and trucks to decks—Loading am-

TF No.

munition, landing, and getting into action (20 min—1943—Film Reference).

31–1854 **Drop Zone**

Demonstration of vertical envelopment maneuver—Typical airborne operation, characterized by mobility, threat, and surprise—Smooth coordination among services vital to success of operation (17 min—1954).

31–1926 **Assembly of an Airborne Unit**

Methods for assembling airborne units—Assembly aids used to facilitate assemblies in day and night operations—Various phases of an airborne operation—Reorganization in assembly area and move to objective (18 min—1955—Film Reference).

31–1927 **Duties of a Jumpmaster**

Attendance at conferences on administrative and tactical details—Inspection of men, equipment, aircraft, loadings and parachutes—Organization of men and equipment—Review of parachute pump—In-flight responsibilities—Jump commands—The jump (33 min—1955—Film Reference).

31–2126 **The Airborne Soldier**

Basic paratrooper training course at the Airborne School, Fort Benning—Physical fitness and approved jump and landing techniques (33 min—1955—Film Reference).

31–2127 **Assembly Problem after 5th Novice Jump**

Pre-jump briefing—The jump—Dispersal to assembly area—Digging in at sector of fire—Report to instructors—Move to shakeout area (10 min—1956—Film Reference).

31–2128 **Personnel Parachute Malfunctions and Activation of Reserve Parachute**

How jumper copes with inactivation of main parachute—Inversion of parachute canopy—Blown gore and section—Technique of activating reserve parachute (9 min—1956—Film Reference).

31–2129 **Personnel Parachute Entanglements and Recovery From Twists**

How entanglements and twists occur—How to avoid them—How jumper recovers from both—Conditions for activating reserve parachute (6 min—1956—Film Reference).

31–2130 **Parachute Landing Falls**

Approved techniques for executing the four parachute landing falls: right, left, front, rear—Alternate technique for landing in ground winds from 8 to 15 miles per hour (12 min—1956—Film Reference).

31–2131 **Parachute Training in the 34-Foot Mock Tower**

Action of trainee in tower readying for jump—The jump—Instructor's critique of individual performance—Mass exists from tower (12 min—1956—Film Reference).

31–2132 **Conduct of a Parachutist in the Aircraft**

Seating and fastening safety belt—Relaxing in position on command—Action at *get ready* command—Execution of the seven jump commands (9 min—1956—Film Reference).

TF No.	
31–2133	**The Swing Landing Trainer** How trainees practice the four PLF's (parachute landing falls) on the swing landing trainer—Individual performance critiqued by instructor (7 min—1956—Film Reference).
31–2134	**Parachute Recovery and Shakeout During Novice Training** Removal of harness after landing—Stowing parachute gear in kit bag—Two-man system of shakeout—Assembly of clean parachute gear for turn in (8 min—1956—Film Reference).
31–2138	**Subarctic Winter Bivouacking** Advanced planning—Security and defense measures—Erection of shelter, water and cooking facilities—Protection against cold—Proper use of sleeping equipment (30 min—1955—Distribution in CONUS and Overseas—Film Reference).
31–2216	**Wearing Individual Parachute Equipment** Correct method of donning combat load for jump—Illustrates where each piece of equipment is worn and how it is secured to parachutist's body (5 min—1955—Distribution to central film libraries in CONUS, Ft. Bragg, N.C., and Ft. Benning, Ga).
31–2297	**Subarctic Cross-Country Mobility—Part II—Summer Operations** Nature and character of tundra, muskeg, permafrost and frozen subsoil—How the various areas are traversed by military units (11 min—1956—Distribution to Army film equipment exchanges in CONUS and overseas—Film Reference).
35–1895	**On Parade** The story of a WAC corporal who appraises her first year in service and notes the development and improvement of her appearance, conduct, and manner (17 min—1953—Film Reference).
44–1327	**The Radio Set SCR–584—Part IV: Interference** Operation during interferences such as rain, gun firing, and aircraft entering circuit—Tracing and spotting targets—Adjustments of instrument to eliminate interference (18 min—1945—Film Reference).
44–1347	**The 90-mm Antiaircraft Gun on the M2 Mount—Part I: Emplacement** Table model demonstration—Field exercise with crew in action—Gun commander selects site for emplacement—Duties of crew members—Four important steps of emplacement (24 min—1944—Film Reference).
44–1348	**The 90-mm Antiaircraft Gun on the M2 Mount—Part II: March Order** The bogie 90-mm antiaircraft guns being readied for march order—Procedure described—Gun crew in action (26 min—1944—Film Reference).
44–1349	**The 90-mm Antiaircraft Gun on the M2 Mount—Part III: Hasty Emplacement for Antitank Firing** Elevation, depression, and traverse in preparing gun for

TF No.

quick firing from wheels—Emphasis on speed and accuracy (11 min—1944—Film Reference).

44–1350 **The 90-mm Antiaircraft Gun on the M2 Mount—Part IV: Preparation for Firing**

Four important checks in preparation for firing—Checking gun, orientation, synchronization, and operation (35 min—1944—Film Reference).

44–1351 **The 90-mm Antiaircraft Gun on the M2 Mount—Part V: Inspection of Ammunition and Firing**

Operations and duties of the ammunition squad of a gun crew in inspecting and handling propelling charges—Loading, point, and firing—Reloading and firing (23 min—1944—Film Reference).

44–1409 **The Radio Set SCR–584—Part V: Electronic Jamming**

Tracing targets during interference of electronic jamming—Recognition of jamming—Eliminating interference by adjustment of instruments (20 min—1945—Film Reference).

44–1410 **The Radio Set SCR–584—Part VI: Window Jamming**

Demonstration of window jamming and its solution—Following window trail left by aircraft—Picking up targets flying through old windows—Countering sudden window dropping accompanied by evasive tactics (31 min—1945—Film Reference).

44–1524 **Twin 40-mm Gun Motor Carriage M19**

Characteristics and operation of gun and gun mount—Capabilities of mount—Mechanical functioning of the piece—Duties of crew members (17 min—1949—Film Reference).

44–1554 **Light AAA with Infantry and Armored Divisions**

The primary missions, organization, weapons, and employment of light AAA battalion with infantry and armored divisions under diversified tactical conditions (18 min—1952—Film Reference).

44–1606 **Spotting Trial Bursts by Radar**

Method of spotting trial bursts with SCR–784 and SCR–584 and directors M7 and M9—Reading the fine scope to determine range of trial bursts of antiaircraft fire and to calculate distance over or short of target—Accuracy and time saving through spotting trial bursts by radar (13 min—1951).

44–1641 **Orientation and Synchronization of the AAA Gun Battery—Part I: Basic Principles**

Elements of AAA gun battery in relation to each other—Need for accurate orientation and synchronization—Carelessness illustrated—Errors brought out during classroom discussion and review (43 min—1951—Film Reference).

44–1647 **The Directors M9 and M10—Part III: Preparation**

Preparatory stages to make 90-mm gun battery antiaircraft fire effective—Fire control equipment consisting of generators, radar (SCR–584), tracker, trailer, computer, and its power unit—Director M9 with computer—Director M10, used with 120-mm gun—Energizing equipment—Ac voltage regulation (upper and lower limit), Dc voltage check, oscillator check,

TF No.	
	servo gain check and dc and ac zero set—Adjusting between fire periods (19 min—1951).
44–1680	**Light AAA in Close Fire Support of Infantry** Pictorial record of an attack by an infantry regiment with fire support of light AAA—Each step in the coordinated plan shown (29 min—1953—Film Reference).
44–1682	**Orientation and Synchronization of the SCR–584 and SCR–784 with M9 and M10 Directors** Principles and technique of orienting and synchronizing radar and director in fire control procedure—Tracker orientation—Selsyn adjustment—Selsyn tansformer synchronization—PPI selsyn synchronization—Local and remote indicator synchronization—Range potentiometer test—Synchronization of radar with tracker (26 min—1951).
44–1780	**Employment of the AAFCS M33 Fire Control System Trailer** Showing the arrival of the M33 radar trailer at a desert site and the procedure for emplacement of the M33 fire control system (17 min—1952—Film Reference).
44–1781	**Emplacement of the AAFCS M33 Acquisition Radar** Showing emplacement of the acquisition antenna assembly by personnel of range platoon but not showing the actual operation of the acquisition radar system (14 min—1953—Film Reference).
44–1782	**March Order of the AAFCS M33 Fire Control System** Showing that the AAFCS is packed in three separate vehicles—Emplacing acquisition antenna assembly and emplacing tracking antenna are two separate actions that can be performed simultaneously (15 min—1953—Film Reference).
44–1783	**March Order of AAFCS M33 Acquisition Radar** Illustrating how to perform the march order of the acquisition antenna assembly in two simultaneous steps (16 min—1952—Film Reference).
44–1858	**The Computing Sight M19 Series (M19A1 and M38)—Nomenclature and Operation** Discussion of the nomenclature and the operation of computing sight M19 series, types M19A1 and M38—Detailed explanation of method of orienting, leveling, and setting the sight at proper superelevation—Five steps for engaging targets—How to engage targets flying variety of courses, climbing, and diving targets (27 min—1954—Film Reference).
44–1886	**Antiaircraft Fire Control System M33: Fire Missions** Action in an AAFCS M33 during a fire mission—Step-by-step breakdown of action showing units of an AAFCS M33 in relation to each other—Operation of panel controls—How target is announced, picked up, tracked by radar, plotted for fire, fired and downed (17 min—1954—Film Reference).
44–1887	**Antiaircraft Fire Control System M33: Orientation and Synchronization** Orientation by known datum point method and backsighting

TF No.

method—Methods for maintaining proper adjustment of equipment—self-synchronous (18 min—1954—Film Reference).

44–1888 **Antiaircraft Fire Control System M33: Start and Stop Procedure**

This equipment locates and tracks aerial targets by radar—Computes and transmits firing data electrically—Separate components—Procedure to energize and de-energize—Three stages of energizing and de-energizing (18 min—1954—Film Reference).

44–1929 **Weapons of the Antiaircraft Artillery**

Mission and application of AAA in defense— Characteristics and capabilities of quadruple mounted 50 cal machine gun, twin 40-mm gun, single 40-mm gun, the skysweeper, 90-mm gun, 120-mm gun, and guided missiles—Responsibilities of the AAA Operations Center and AAA Information Service—Location and application of strategic AAA weapons (18 min—1955—Color—Film Reference).

[O] 44–1964 **Nike I—Introduction to the System**

Uncrating and pressure tests—Booster joining—Missile tests—Fuel and oxidizer servicing—Warhead installation—Servicing at launching area for firing (24 min—1954).

[O] 44–2139 **Nike I, SAM Battalion, Orientation and Synchronization —Part I—Leveling of the Tracking Radars**

Fine leveling procedure—Determining A and B levels of antenna assembly, how data is recorded and readings computed, how level checks are made (21 min—1955—Film Reference).

[O] 44–2140 **Nike I, SAM Battalion, Orientation and Synchronization —Part II—Adjustment of the Optical System**

Emplacement of main and elbow telescopes—Adjustment of telescopes on target—Hairline check—Alignment of antenna and telescope in parallel position (30 min—1955—Film Reference).

[O] 44–2141 **Nike I SAM Battalion, Orientation and Synchronization —Part III—Collimation of Tracking Radars**

How tracking beams are aligned parallel to optical axis in azimuth—How optical axis is adjusted in elevation parallel to electronic axis (29 min—1956).

[O] 44–2142 **Nike I, SAM Battalion, Orientation and Synchronization —Part IV—Data Transmission Adjustments**

Orienting tracking radars in azimuth and elevation—Orientation checks—Synchronization check of tracking radars (25 min—1956—Film Reference).

[CM] 44–2143 **Nike I, SAM Battalion, Orientation and Synchronization —Part V—Parallax Corrections and Adjustments at the Launching Positioning Units (U)**

(30 min—1956—Distribution limited—Film Reference).

[O] 44–2144 **Nike I, SAM Battalion, Battery Control Areas—Part I—Emplacement and Preparation of the Tracking Radars**

Positioning radars—Preparation for emplacement—Emplacement of lens assembly—Release of rf unit—Cross-leveling radar (16 min—1955—Film Reference).

TF No.

[O] 44–2145 **Nike I, Sam Battalion, Battery Control Area—Part II—Assembly of the Radar Collimation Mast**
Installation of rods and plates, base plate assembly, rigid waveguide sections, cross-arm assembly, boom assembly, target head assembly and flexible waveguide assembly (30 min—1955—Film Reference).

[O] 44–2146 **Nike I, SAM Battalion, Battery Control Area—Part III—Adjustment and Erection of the Radar Collimation Mast Assembly**
Adjustment of target head assembly—Erection and final adjustment of collimation mast—Mounting of rf test set—Attachment of flexible waveguide (15 min—1955—Film Reference).

[O] 44–2147 **Nike I, SAM Battalion, Launching Area—Part I—Emplacement of the Launching Equipment**
Emplacement of control and power cabinets, launcher control trailer, test responder unit, launcher sections and loading racks (28 min—1955—Film Reference).

[O] 44–2148 **Nike I, SAM Battalion, Launching Area—Part II—Installation and Checks of Launcher Equipment**
Installation of equipment—Checks on launcher and missile power packs, elevation of launcher erecting arm, electrical lines and hydraulic system (24 min—1955—Film Reference).

[O] 44–2149 **Nike I, SAM Battalion, Launching Area—Part III—Reload Procedures and Drill for the Launcher-Loader**
Lowering launcher—Disconnecting electrical connections—Emplacing new missile onto launcher—Securing rails and hydraulic and electrical connections—Elevating launcher and return to revetment (16 min—1956—Film Reference).

[CM] 44–2150 **Nike I, SAM Battalion, Preparation of the Missile—Part I—Uncrating, Fin Installation, and Pressure Tests (U)**
(30 min—1955—Film Reference).

[O] 44–2151 **Nike I, SAM Battalion, Preparation of the Missile—Part II—Missile Tests**
Calibration of rf test set—Testing electrical circuits, command response and burst circuitry—Installing battery and pressurizing guidance section (10 min—1955—Film Reference).

[CM] 44–2152 **Nike I, SAM Battalion, Preparation of the Missile—Part III—Booster Uncrating and Joining (U)**
(25 min—1955—Film Reference).

[O] 44–2153 **Nike I, SAM Battalion, Preparation of the Missile—Part IV—Fuel Servicing**
Moving missile and fuel servicer into position—Filling measuring can—Adjusting can and fuel temperatures—Fueling with JP–4 fuel—Safety measures (18 min—1955—Film Reference).

[CM] 44–2154 **Nike I, SAM Battalion, Preparation of the Missile—Part V—Oxidizer Servicing (U)**
(21 min—1955—Film Reference).

TF No.	
[O] 44–2155	**Nike I, SAM Battalion, Preparation of the Missile—Part VI—Warhead Installation** Steps in installing each section of the warhead system: nose warhead, center warhead, and aft warhead (32 min—1955—Film Reference).
[O] 44–2156	**Nike I, SAM Battalion, Preparation of the Missile—Part VII—Final Preparations** Installation of booster fins and booster igniter—Servicing with starter fluid—Connecting detonating cords to arming devices (24 min—1955—Film Reference).
[O] 44–2157	**Nike I, SAM Battalion, Preparation of the Missile—Part VIII—Routine Checks** Tests on: Dc power of launcher—Missile's battery voltage—Gyro present—Command response for roll, yaw, and pitch—Charge lamp—Air pressure (10 min—1955—Film Reference).
[O] 44–2158	**Nike I, SAM Battalion—Removal of Warheads** Removal of high pressure air and explosive components—Removal and storing of nose, center and aft warheads (26 min—1956—Distribution to central film and equipment exchanges in CONUS and overseas and film exchanges servicing appropriate Service Schools).
[O] 44–2161	**Nike I, SAM Battalion, Procedures and Drill—Part I—Normal Conditions** Procedures necessary to engage the enemy—Activities in Battery, Radar, and Launcher control trailers—Preparation and firing of missile (21 min—1956—Distribution to central film and equipment exchanges in CONUS and overseas and to film exchanges servicing appropriate Service Schools).
[O] 44–2162	**Nike I, SAM Battalion, Procedures and Drill—Part II—Alternate Communication Procedures** How communication is carried on by radio, field wire, and telephone switchboards when cable systems and/or Launcher Control Trailer are not operable (34 min—1956—Film Reference).
[O] 44–2163	**Nike I, SAM Battalion, Orientation and Synchronization—Part VI—Orientation of the Launcher Rail** How initial azimuth of launcher is determined and recorded to accomplish orientation (8 min—1956—Film Reference).
[O] 44–2164	**Nike I, Underground Installation—Part I—Introduction** Advantages of underground installation—Layout—Automatic and manual operation of elevator and satellite launchers—Safety factors (29 min—1956—Film Reference).
[O] 44–2165	**Nike I, Underground Installation—Part II—Section Drill** Duties of section crew during the White Alert, Yellow Alert, Blue Alert, and Red Alert—Reload procedures illustrated (33 min—1956—Film Reference).
[CM] 44–2246	**Nike I, Missile Tests, Part I—Calibration of the RF Test Set (U)** (9 min—1956—Distribution primarily to central film and equipment exchanges in CONUS and OS and to film exchanges servicing appropriate Service Schools).

TF No.	
[CM] 44–2247	**Nike I, Missile Tests, Part II—Voltage Receiver Sensitivity, Power and Frequency Checks (U)** (6 min—1956—Distribution limited).
[CM] 44–2248	**Nike I, Missile Tests, Part III—Nonresponse to Adjacent Codes, Pattern Modulation, and Response Time (U)** (8 min—1956—Distribution to Army film and equipment exchanges in CONUS and OS).
[CM] 44–2249	**Nike I, Missile Tests, Part IV–A—Measurement of Burst, Fail Safe Time, and Buzz Voltages (U)** (7 min—1956—Distribution primarily to central film and equipment exchanges in CONUS and OS and to film exchanges servicing appropriate Service Schools).
[CM] 44–2250	**Nike I, Missile Tests, Part IV–B—Yaw and Pitch Servo Tests (U)** (8 min—1956—Distribution to Army film and equipment exchanges in CONUS and OS).
[CM] 44–2251	**Nike I, Missile Tests, Part V—Roll Servo Operation and Pressure Potentiometer Check (U)** (8 min—1956—Distribution to Army film and equipment exchanges in CONUS and OS).
[CM] 44–2252	**Nike I, Missile Tests, Part VI—Precise Command and Internal Operation (U)** (7 min—1956—Distribution to Army film and equipment exchanges in CONUS and OS).
[O] 44–2255	**Nike I, SAM Battalion, Missile Defueling—Part I—Preparation for Defueling** Positioning booster trailer—Emplacement of handling dolly—Separating missile from booster—Emplacement and preparation of missile—Removal of booster from area (15 min—1955—Film Reference).
[O] 44–2256	**Nike I, SAM Battalion, Missile Defueling—Part II—Removal of Starting Fluid and Oxidizer** Positioning and preparing missile for drainage—Removal of starting fluid—Draining of oxidizer—Removal of defueling equipment—Replacement of parts—Safety precautions underscored (30 min—1955—Film Reference).
[O] 44–2257	**Nike I, SAM Battalion, Missile Defueling—Part III—Removal of JP–4** Positioning and preparing missile for defueling—Defueling—Removal of defueling equipment—Replacement of parts—Returning missile to original form (10 min—1955—Film Reference).
46–2209	**Basic Helicopter Flight Principles** Helicopter flight elements—Action of rotor blades—Gyroscopic precession laws—Torque (15 min—1956).
46–2210	**Advanced Helicopter Flight Principles—Part I** Characteristics and movements of the rotor blades at various speeds and in fully articulated and semirigid types of rotor heads—Use of stabilizing and dampening devices (10 min—1956).

TF No.	
46–2211	**Advanced Helicopter Flight Principles—Part II** Movements of air in relation to helicopter rotor systems—Effects of air movements on flight—Airflow pattern from take-off through flight, glide and landing (11 min—1956).
55–1005	**Military Stevedoring—Part II: Cargo Handling Gear, Basic Operation** Three basic movements of unloading—Vertical upward, horizontal, and vertical downward—Operation of winches in loading and unloading cargo—Topping the boom (15 min—1943—Film Reference).
55–1093	**Military Stevedoring—Part III: Winches and Booms** Construction and operation of a winch—Hand motions for directing winch operators in loading and unloading cargo (18 min—1943—Film Reference).
55–1117	**Military Stevedoring—Part IV: Drafts and Slings** Use of material-handling equipment—Advantages of each type of sling—Use of correct sling for safe handling and storage of cargo (16 min—1943—Film Reference).
55–1118	**Military Stevedoring—Part V: Straps and (Transportation) Bridles** Use of straps and bridles—Correct method of attaching to various types of draughts—Method of handling draughts in a vertical position—Use of dunnage (14 min—1943—Film Reference).
55–1119	**Military Stevedoring—Part VI: Vehicle Loading and Stowing** Loading jeeps, trucks, tanks, and locomotives aboard ship—Demonstrating the use of nets, straps, and dunnage for lifting—Use of soap, grease, and blocks to stow the vehicle (16 min—1943—Film Reference).
55–1478	**Driving the Semitrailer** Checking procedure by driver before starting on a run—Safety—Protection of equipment—Backing the trailer up to a plaform for loading and unloading (19 min—1948—Film Reference).
55–1551	**Stevedoring—Part VIII: Expedients** Expedients to be resorted to in cases where repair facilities or replacement parts are not immediately available—Dead winches—Damaged cargo booms and hatches—Using handling equipment of vessels when alongside pier (14 min—1952—Film Reference).
55–1731	**Railroad Safety** Safety in all phases of railroad work—Pointers for the train crew, right-of-way maintenance crews, and in maintenance and repair shops (34 min—1952—Film Reference).
55–1744	**Stevedoring—Part VII: Heavy Lifts** Problems and proper techniques of handling military cargo of 5 tons and over—Rigging and operating jumbo booms—Slinging, lifting, steadying, lowering, bracing, and lashing heavy equipment—Equipment, crew, planning, safety precautions (21 min—1952—Film Reference).

TF No.	
55–1758	**Beach and Port Clearance by Highway Transport** Planning and executing typical beach traffic circulation plan—Loading and dispatching supplies—Port clearance—Equipment and methods for handling and dispatching cargo and troops (17 min—1954—Film Reference).
55–1812	**Introduction to the Electric Winch** Illustrates major component parts of winch—Techniques employed in operation—Safety measures employed during operation (7 min—1953).
55–1918	**Loads and Loading of General Transport Vehicles** Characteristics of the five types of military cargo transported via vehicle—Prescribed loading procedures for each—Emphasis on maximum authorized load, proper vehicle for given load, and safety precautions (18 min—1955).
55–2183	**Why Battery Should Always be Clean** Battery maintenance procedure to insure cleanliness and prevent engine failure caused by dirty batteries (6 min—1955—Film Reference).
55–2184	**Why Engines are Governed** How governor on engine limits speed of engine at the point where it develops maximum horsepower—Relationship between horsepower and speed (5 min—1955—Film Reference).
55–2296	**Subarctic Inland Waterways Navigation** Journey to carry out a combat mission defining Arctic river characteristics, handling river craft, and safety factors (24 min—1956—Film Reference).
100–1726	**Mission of the Army** Functions of the various arms and services—Emphasizing combat activities and teamwork (22 min—1953).
629–1027	**Hand-To-Hand Combat** Different basic handholds, locks, leverages, and how to break them—Locks chancery against frontal attacks and defense against clubs and knives—Prisoner control tactics, searching prisoners, disarming assailants with bayoneted rifles (48 min—1943—Film Reference—From Navy Film MN 1027).

58. Film Strips

Film strips (FS) are used for training and contain approved Department of the Army doctrine. Like training films, they deal with specific topics and are intended for use at a definite time and place in the training program.

FS No.	
2–8	**Horsemanship Instruction, Mounted—Jumping and Cross-country Riding** (1942).
2–9	**Horsemastership Instructions—Shoeing Animals** (1942).

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FS No.	
2–11	**Horsemanship Instruction—Mounting, Dismounting, and the Military Seat** (1942).
2–13	**Horsemastership Instruction—Stable Management** (1942).
2–19	**The Cavalry Regiment, Horse** (1943).
2–21	**Combat Methods of Small Units—The Squad Acting Alone** (1943).
2–23	**Simple Land Navigation for Combat Vehicles** (1943—Film Reference).
2–26	**Employment of Small Automatic Weapons** (1943—Film Reference).
2–29	**Packing the McClellan Saddle** (1943).
2–34	**Combat Formations of Small Calvary Units, Horse** (1944).
3–32	**Identification of Chemical Munitions** (1945—Color).
3–35	**Portable Flame Thrower M2–2—Part III: Pressure Charging** (1945).
3–39	**Portable Flame Thrower M2–2—Part IV: Filling by Pressure, Using Fuel Filling Kit M10** (1945—Film Reference).
3–51	**CBR Decontaminants (GTA 3–3)** (1955).
3–52	**CBR: Duties of Sentinels (GTA 3–7)** (1955).
4–15	**Fire Control and Position Finding, Antiaircraft Artillery—Part I: Elements of Data** (1942—Film Reference).
4–16	**Antiaircraft Guns and Accessories—Part II: 90-mm Antiaircraft Gun—Section I: Main Elements Except Breech Mechanism and Related Parts** (1942—Film Reference).
4–33	**Orientation—Part I: General** (1943).
4–34	**Orientation—Part II: Instruments** (1943).
4–37	**Orientation—Part V: Azimuth Determination—Approximate Methods—Elementary Astronomy** (1943).
4–38	**Orientation—Part VI: Stellar Observation, Northern Hemisphere** (1943).
4–39	**Orientation—Part VII: Azimuth Determination by Solar Observation** (1944).
4–40	**Orientation—Part VIII: Stellar Observation, Southern Hemisphere** (1943).

FS No.	
4–67	**Direct Fire Sights for Antiaircraft Guns—Part I: Theory of Leads** (1943).
4–110	**Direct Fire Sights for Antiaircraft Guns—Part II: Description and Nomenclature** (1943).
4–113	**Direct Fire Sights for Antiaircraft Guns—Part III: Aiming and Orientation** (1944).
4–126	**The Directors M9 and M10—Part I: Introduction** (1943—For use only in training National Guard Units and foreign armies, not for training active Army).
4–137	**The Directors M9 and M10—Part II: Nomenclature** (1943).
4–140	**Direct Fire Control for Automatic Weapons—Part III: Tracer Observation** (1943).
4–141	**Antiaircraft Artillery Guns and Accessories—Part III: 90-mm AA Gun on M2 Mount** (1943).
4–143	**The Directors M9 and M10—Part III: Adjustments** (1943—For use only in training National Guard Units and foreign armies, not in training active Army).
4–144	**Antiaircraft Artillery Guns and Accessories—Part V: The 90-mm AA Gun on the M2 Mount** (1943).
4–149	**Antiaircraft Artillery Ammunition—Part I: General Handling and Cal .50 Ammunition** (1943).
4–153	**Antiaircraft Artillery Multiple Gun Mounts—Part III: The Multiple Cal .50 Machine Gun Mount M45—General Description** (1943).
4–154	**Antiaircraft Artillery Multiple Gun Mounts—Parts IV: The Multiple Cal .50 Machine Gun Mount M45—Assembly and Operation** (1944).
4–157	**Harbor Defense Searchlights and Power Plants—Part V: Fixed Searchlights—Section I: Nomenclature and Function** (1943).
4–158	**Harbor Defense Searchlights and Power Plants—Part V: Fixed Searchlights—Section II: Care and maintenance** (1943).
4–160	**Antiaircraft Artillery Guns and Accessories—Part IV: The 90-mm AA Gun on the M2 Mount—Leveling Mechanism** (1943).
4–175	**Barrage Balloon Lethal Devices—Part III: Double Parachute Arming for VLA Balloons** (1944).
4–180	**Antiaircraft Artillery Guns and Accessories—Part VII: The 120-mm (4.7-inch) AA Gun on the M1 Mount** (1944).

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FS No.	
4–181	The Medium Tractor M4—Part I: Operation (1944).
4–196	Antiaircraft Artillery Gun and Accessories—Part VI: The 120-mm (4.7-inch) AA Gun and M1 Mount (1944).
4–200	Field Fortifications for Antiaircraft Artillery Part I: Basic Principles (1944).
4–201	Field Fortifications for Antiaircraft Artillery—Part II: Automatic Weapons (1944).
4–202	Field Fortifications for Antiaircraft Artillery—Part III: Guns (1944).
4–204	Antiaircraft Artillery Ammunition—Part III: Ammunition for AA Guns (1944).
4–206	Antiaircraft Artillery Guns and Accessories—Part VIII: The 120-mm (4.7-inch) AA Gun on the M1 Mount (1944).
4–222	The Radio Set SCR–584—Part I: Exterior General Description and Nomenclature (1944).
4–225	The Radio Set SCR–584—Part II: Description and Nomenclature, Interior (1944).
4–250	Antiaircraft Artillery Fire Control and Position Finding—Part XII: Orientation of the Gun Battery in Azimuth (1944).
4–251	Antiaircraft Artillery Fire Control and Position Finding—Part XI: Parallax Corrections (1944).
4–254	Antiaircraft Artillery Guns and Accessories—Part IX: The 120-mm (4.7-inch) AA Gun on the M1 Mount—Fuze Setter and Power Rammer (1944).
4–255	Direct Fire Sights, for Antiaircraft Guns—Part IV: Firing and Adjustment (1944).
4–262	Fire Controls and Position Finding—Part XIV: Ballistic Corrections for the M9 and M10 Directors (1944).
5–17	The Motorized Air Compressor (1943).
5–18	Rigging—Part III: Practical Installations (1944).
5–20	Rigging—Part II: Knots (1944).
5–21	Wire Entanglements—Part I: Materials and Methods of Handling (1944).

FS No.	
5–22	Rigging—Part I: Rope and Lashings (1943).
5–27	Mines—Part VI: Booby Traps (1943).
5–31	Assault Boats (1943).
5–35	Wire Entanglements—Part II: The Double Apron Fence (1943).
5–42	Care and Servicing of Wire Rope (1944).
5–43	Use of Wire Rope (1944).
5–49	The Engineer Tractor Crane (M20–Le Tourneau) (1944).
5–50	The Carry-all Scraper (1944).
5–53	Road Construction and Maintenance (1944).
5–54	Bridge Reconnaissance (1944).
5–55	Road Reconnaissance (1944).
5–56	Care and Maintenance of Steam Boiler Plants (1944—Sound).
5–58	US Army No. 1 Space Heater—Care and Firing (1944—Sound).
5–59	Steel Treadway Bridge M2—Part I: Floating Bridge (1944).
5–60	Steel Treadway Bridge M2—Part II: Rafting (1944).
5–64	Model D–7 Tractor—Operator's Preventive Maintenance (1945).
5–65	D–7 Tractor—Flywheel Clutch Maintenance (1945).
5–67	Individual Camouflage and Concealment (1946—Color).
5–68	Japanese Mines (1945—Film Reference).
5–69	Safety Precautions in Handling Explosives and Demolitions (1945).
5–72	Floating Bridge M5—Part I: Equipment and Launching of Pontoons (1945).
5–73	Floating Bridge M4—Part II: Assembly of End Sections and Raft Sections (1945).
5–74	Floating Bridge M4—Part III: Construction (1945).
5–75	Floating Bridge M4—Part IV: Rafting (1945).
5–76	Surveying—Measuring and Leveling (1945).

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5–77	Surveying—Traversing (1945).
5–78	Surveying—Building and Utility Lay-out (1945).
5–79	US Antipersonnel Mines (1945).
5–80	Grader, Caterpillar, Diesel—Part I: Operating Instructions (1946).
5–81	Grader, Caterpillar, Diesel—Part II: Operator's Preventive Maintenance (1946).
5–82	Portable Gasoline Power Chain Saw (1946).
5–83	Preparation of Native Timber for Bridge Construction (1946—Sound).
5–84	Record Card System for Preventive Maintenance at a Sewage Plant (1945).
5–85	Use of Road and Airdrome Construction Equipment—Part I: Tractors, Dozers, Scrapers (1946—Sound).
5–86	Use of Road and Airdrome Construction Equipment—Part II: Rooters, Rollers, Graders, Shovels, with Attachments (1946—Sound).
5–91	Maintenance of Bituminous Surfaces (1947—Sound).
5–94	Concrete Construction (1947—Sound).
5–95	Fixed Bridges—Part III: Strengthening and Expedients (1949).
5–96	Fixed Bridges—Part I: The Timber Trestle Bridge (1949).
5–97	Culvert Construction (1950).
5–105	Soils (25 min—1953—Sound).
5–106	Soil Identification and Testing—Part I: Field Identification and Soil Sampling (19 min—1953—Sound).
5–107	Use of Field Decoy Installations (12 min—1952—Sound—Film Reference).
5–108	Portable Water Purification Equipment (1952—Sound).
5–117	Soil Identification and Testing, Part II: Laboratory Testing 24 min—1956—Sound).
5–118	US Antipersonnel Mine M14 (10 min—1954—Sound—Color).
5–134	Russian Mines and Igniters—Individual Mechanisms and Disarming Procedure (1954—From British Army Film Strip 7036).
5–136	Land Mines and Fuzes, General (GTA 5–19) (1955).

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5–137	Soviet Land Mines, Fuzes and Booby Traps (GTA 5–25) (1955).
6–22	Field Artillery Ammunition—Part III: Handling (1943).
6–24	Field Artillery Ammunition—Part V: Fuzes (1943).
6–26	Preparation of Field Artillery Materiel for Railway Transport—Part I: Plans, Cars, Loads, Ramps, and Materials (1943—Film Reference).
6–27	Preparation of Field Artillery Materiel for Railway Transport—Part II: Loading and Securing Vehicles (1943).
6–28	Preparation of Field Artillery Materiel for Railway Transport—Part III: Loading and Securing Weapons (1943—Film Reference).
6–32	The 105-mm Howitzer M2—Part II: Mechanical Functioning (1943).
6–37	The 75-mm Howitzers M1 and M8—Part IV: Disassembly and Loading on Pack Animals for Transport (1943).
6–39	The 105-mm Howitzer M2—Part III: Authorized Disassemblies (First Echelon) (1943).
6–42	Direct Laying with the 105-mm Howitzer (1944).
6–43	Laying the Field Artillery Battery (1943).
6–45	Sensing of Field Artillery Fire (1943).
6–46	The 75-mm Howitzers M1 and M8—Part I: Description and Characteristics (1943).
6–47	The 75-mm Howitzers M1 and M9—Part II: Mechanical Functioning (1943).
6–50	Sighting and Laying Equipment—Tests and Adjustments—155-mm Gun M1 and 8-inch Howitzer M1 (1944).
6–61	Panoramic Sketching (1944—Film Reference).
6–63	The 8-inch Howitzer M1 and the 155-mm Gun M1—Part I: Description and Characteristics (1944).
6–65	The 8-inch Howitzer M1 and the 155-mm Gun M1—Part II: Mechanical Functioning (1944).
6–66	The 8-inch Howitzer M1 and the 155-mm Gun M1—Part III: Authorized Disassemblies (1944).
6–76	Direct Laying with the 155-mm Howitzer M1A1 (1945).

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7–18	Pitching and Striking the Pyramidal Tent (1942—Film Reference).
7–19	Pitching and Striking the Wall Tent (1942).
7–22	Pitching and Striking the Latrine Screen (1942—Film Reference).
7–39	Rifle Marksmanship, Range Practice, US Rifle, Cal .30, M1—Part I: Safety Precautions (1942—Film Reference).
7–40	Preparatory Marksmanship Training, US Rifle, Cal .30, M1—Part II: Second Step, Position Exercises (1942).
7–46	The Browning Machine Gun, Cal .30, M1917—Part II: Disassembling, Assembling by Groups (1941).
7–47	The Browning Machine Gun, Cal .30, M1917—Part III: Detailed Disassembling, Bolt, Lock Frame, Barrel Extension, Cover (1941—Film Reference).
7–48	The Browning Machine Gun, Cal .30, M1917—Part IV: Disassembling Parts Dismounted Only for Repair, Packing the Barrel, Methods of Changing Parts (1941—Film Reference).
7–49	The Browning Machine Gun, Cal .30, M1917—Part V: Care and Cleaning, Care During a Gas Attack (1941—Film Reference).
7–58	The Browning Machine Gun, Cal .30, M1917—Part XIV: Technique of Fire, Direct Laying—Overhead Fire (1941).
7–61	The Browning Machine Gun, Cal .30 HB, M1919A4 (Ground)—Part II: Mechanical Training—Detailed Disassembling Only for Repair, Changing Parts (1941).
7–65	The Browning Machine Gun, Cal .30, M1917—Part XI, Section I: Machine Gun Marksmanship, Preparatory Exercises, Sighting and Aiming Exercises (1942).
7–69	The Browning Machine Gun, Cal .50 HB (Flexible) M2 (Ground)—Part I: Mechanical Training—Description, Characteristics (1942).
7–70	The Browning Machine Gun, Cal .50 HB (Flexible) M2 (Ground)—Part II: Mechanical Training—Assembling and Disassembling by Groups, Head Space Adjustment (1942).
7–71	The Browning Machine Gun, Cal .50 HB (Flexible) M2 (Ground)—Part III: Care and Cleaning, Spare Parts, Accessories, and Ammunition (1942).
7–74	The Browning Automatic Rifle, Cal .30, M1918A2 With Bipod—Part I: Mechanical Training—Descriptions, Disassembly, and Assembly (1942).

FS No.	
7–86	**The Browning Machine Gun, Cal .30, M1917—Part IX, Section II: Training for Placing the Gun in Action, Gun Drill (Concluded)** (1942).
7–106	**The Browning Automatic Rifle, Cal .30, M1918A2—Part II: Mechanical Training—Operation** (1943—Film Reference).
7–115	**The Browning Automatic Rifle, Cal .30, M1918A2—Part III: Care and Cleaning** (1943—Film Reference).
7–127	**Pitching and Striking The Squad Tent M1942** (1944—Film Reference).
7–135	**Stream Crossing Expedients—Part I: Improvised Flotation Methods** (1943—Film Reference).
7–150	**Air Ground Visual Communications—Part II: Communications with Friendly Airplanes By Panel** (1944).
7–153	**Browning Machine Gun, Cal .30, M1917—Part XV: Defiladed Firing Positions** (1944).
7–154	**The Browning Machine Gun, Cal .30, M1919A6** (1944—Film Reference).
7–157	**The 57-mm Rifle M18—Part I: Mechanical Training—Nomenclature, Disassembly, Assembly, and Maintenance—Part II: Functioning, Stoppages, Immediate Action, and Restoration of Balance—Part III: Ammunition, Mounts, Fire Control Instruments, Subcaliber Device and Boresight—Part IV: Marksmanship and Technique of Fire** (1951).
7–158	**The 75-mm Rifle M20—Part I: Mechanical Training—Part II: Functioning, Stoppage, and Immediate Action—Part III: Ammunition, Mountings, Sights and Fire Control—Part IV: Boresighting, Direct and Indirect Fire Sights—Part V: Marksmanship and Technique of Fire** (1951).
7–159	**The Browning Automatic Rifle Caliber .30, M1918A2—Stoppages and Immediate Action** (20 min—1955—Sound—Film Reference).
7–163	**Theory of Target Grid System (GTA–7–5)** (1955—Film Reference).
7–164	**57-mm Rifle, M18A1—Part I—Mechanical Training** (1956—Film Reference).
7–167	**57-mm Rifle, M18A1—Part II—Functioning, Stoppages, Immediate Action, and Restoration of Balance** (1956—Film Reference).
7–168	**57-mm Rifle, M18A1—Part III—Ammunition, Mounts, Fire Control Instruments, Subcaliber Device and Boresighting** (1956—Film Reference).
7–169	**57-mm Rifle, M18A1—Part IV—Marksmanship and Technique of Fire** (1956—Film Reference).

FS No.	
8–38	**General Structure of the Horse and Mule** (1942).
8–45	**Restraint and Control of Animals** (1942).
8–52	**Mess Improvement—Part I: Promoting Good Food Habits** (1943—Sound—Color—Film Reference).
8–54	**Animal Disease—Prevention, First Aid, Emergency Treatment** (1943).
8–71	**First Aid—Transportation of Casualties** (1943—Film Reference).
8–79	**Anatomy and Physiology** (1944—Color).
8–81	**Ward Management and Nursing—Part I: Ward Management, Temperature, Pulse, Respiration, Bed Making, and Bathing** (1944).
8–85	**Physical Therapy in the Treatment of Amputations—Part I: Massage, Exercise, and Bandaging** (1945).
8–96	**WAC Physical Fitness** (1944—Sound).
8–98	**Sterile Technique** (1945).
8–99	**Applying the Army Leg Splints** (1945—Film Reference).
8–100	**Diseases of the Mouth** (1945—Color—Film Reference).
8–101	**Bandaging—Part I: Triangular Bandage** (1945—Film Reference).
8–102	**Bandaging—Part II: Roller Bandages** (1945—Film Reference).
8–105	**Pitching and Striking the Sectional Hospital Tent** (1947—Sound).
8–106	**Smallpox Vaccination** (1947—Color—Sound).
8–107	**Your Job and the Psychiatric Patient—Part I: The Psychiatric Patient** (1947—Commercial Adaptation).
8–108	**Your Job and the Psychiatric Patient—Part II: How the Patient May Affect the Attendant** (1947—Commercial Adaptation).
8–109	**Your Job and the Psychiatric Patient—Part III: The Attendants Help the Patients** (1947—Commercial Adaptation).
8–111	**Spread and Prevention of Trichinosis** (1948—Commercial Adaptation).
8–113	**Dermatology and Syphilology—Part I—Distribution Patterns of Lesions in the Diagnosis of Skin Diseases** (15 min—1956—Color—Sound).

FS No.	
8–122	**Clinical Ophthalmoscopy (Normal Fundus, Development and Senile Changes, Anemia, Polycythemia)** (Sound—Color—Authorized for use by armed forces and civilian reserve units only—1951).
8–123	**Clinical Ophthalmoscopy (Thrombosis, Embolism, Arteriosclerosis, Hypertension)** (Sound—Color—Authorized for use by armed forces and civilian reserve units only—1951).
8–124	**Clinical Ophthalmoscopy (Nephritis, Diabetes, Muscular Degeneration)** (Sound—Color—Authorized for use by armed forces and civilian reserve units only—1951).
8–125	**Clinical Ophthalmoscopy (Retinochoroiditis, Tumor)** (Sound—Color—Authorized for use by armed forces and civilian reserve units only—1951).
8–126	**Clinical Ophthalmoscopy (Primary Retinal Degeneration, Angioid Streaks, Diseases of the Optic Nerve)** (Sound—Color—Authorized for use by armed forces and civilian reserve units only—1951).
8–127	**Clinical Opthalmoscopy (Glaucoma, Trauma)** (Sound—Color—Authorized for use by armed forces and civilian reserve units only—1951).
8–129	**Anatomy and Physiology—The Muscular System** (11 min—1954—Sound—Color).
8–130	**Anatomy and Physiology—The Endocrine System** (15 min—1953—Sound—Color).
8–131	**Anatomy and Physiology—The Skeletal System** (21 min—1955—Sound—Color).
8–132	**Anatomy and Physiology—The Lymphatic System** (8 min—1953—Sound—Color).
8–133	**Anatomy and Physiology—The Urinary System** (9 min—1956—Sound—Color—Film Reference).
8–134	**Anatomy and Physiology—The Digestive System** (13 min—1952—Color).
8–136	**Anatomy and Physiology—The Male Reproductive System** (9 min—1953—Color—Sound).
8–138	**The Surgical Dressing Carriage** (15 min—1955—Sound).
8–148	**Important Diseases Common to the Tropics** (1951—Color—Film Reference).
8–154	**Anatomy and Physiology—The Respiratory System** (12 min—1953—Color).
8–172	**Spontaneous Drawings and Paintings by Psychiatric Patients** (24 min—1954—Color—Sound).
8–184	**Medical Certification of Causes of Death** (1952—Sound—Commercial Adaptation).
8–185	**Dental Kit, Emergency Field** (6 min—1954—Sound—Commercial Adaptation).
8–187	**Medical Kit, Individual** (14 min—1954—Sound—Film Reference).

FS No.	
8–188	**Dressing, First Aid, Individual** (17 min—1955—Sound).
8–191	**Snake Bite Kit, Suction, in Plastic Carrying Case** (11 min—1954—Sound).
8–194	**Motor Vehicle First Aid Kit** (10 min—1954—Sound).
8–195	**Shell Egg Grading** (22 min—1956—Color—Sound).
8–197	**Poultry Inspection** (27 min—1954—Sound—Film Reference).
8–198	**Technique and Sites for Subcutaneous and Intramuscular Injections** (31 min—1954—Sound).
8–207	**Fish Inspection—Part One—North Atlantic Fish** (7 min—1956—Color—Sound).
8–208	**Food Inspection—Oysters** (15 min—1954—Sound).
9–20	**The US Rifle, Cal .30 M1—Part I: Disassembly and Assembly** (1942—Film Reference).
9–24	**The Browning Machine Gun, Cal .50, M2—Part I: Disassembly and Assembly** (1942—Film Reference).
9–48	**Cadillac Engine, Disassembly and Assembly—Part II: Replacement of Subassemblies** (1943—Film Reference).
9–49	**Cadillac Engine, Disassembly and Assembly—Part III: Disassembly of Cylinder Block** (1943—Film Reference).
9–50	**Cadillac Engine, Disassembly and Assembly—Part IV: Assembly of Cylinder Block** (1943—Film Reference).
9–51	**Cadillac Engine, Disassembly and Assembly—Part V: Disassembly and Assembly of Starter and Generator** (1943—Film Reference).
9–52	**Cadillac Engine, Disassembly and Assembly—Part VI: Disassembly and Assembly of Distributor Support** (1943—Film Reference).
9–53	**Cadillac Engine, Disassembly and Assembly—Part VII: Disassembly and Assembly of Subassemblies, Fuel Pump, Oil Pump, Water Pump, Fan, and Piston** (1943—Film Reference).
9–55	**Power Train for Tank M4, Disassembly and Assembly—Part I: Disassembly of Power Train in Major Subassemblies** (1943—Film Reference).
9–56	**Power Train for Tank M4, Disassembly and Assembly—Part II: Disassembly and Assembly of Differential Carrier Assembly** (1943—Film Reference).
9–57	**Power Train for Tank M4, Disassembly and Assembly—Part III: Disassemblly and Assembly of Differential** (1943—Film Reference).

FS No.	
9–58	**Power Train for Tank M4, Disassembly and Assembly—Part IV: Disassembly and Assembly of Final Drive Assembly** (1943—Film Reference).
9–59	**Power Train for Tank M4, Disassembly and Assembly—Part V: Disassembly of Transmission** (1943—Film Reference).
9–60	**Power Train for Tank M4, Disassembly and Assembly—Part VI: Disassembly of Transmission** (1943—Film Reference).
9–61	**Power Train for Tank M4, Disassembly and Assembly—Part VII: Assembly of Transmission** (1943—Film Reference).
9–62	**Power Train for Tank M4, Disassembly and Assembly—Part VIII: Disassembly and Assembly of Input Shaft and Countershaft** (1943—Film Reference).
9–63	**Power Train for Tank M4, Disassembly and Assembly—Part IX: Disassembly and Assembly of Output Shaft** (1943—Film Reference).
9–64	**Power Train for Tank M4, Disassembly and Assembly—Part X: Disassembly and Assembly of Transmission Subassemblies** (1943—Film Reference).
9–85	**The 60-mm Mortar M2 and Mount—Part I: Disassembly and Assembly** (1943).
9–86	**The 60-mm Mortar M2 and Mount—Part II: Disassembly and Assembly** (1943).
9–89	**The Browning Automatic Rifle, Cal .30, M1918A2 and Bipod M1918A2, Disassembly and Assembly—Part I: Disassembly and Assembly of Bipod, Stock Rest, Magazine, and Trigger Guard** (1943).
9–91	**The Browning Automatic Rifle, Cal .30, M1918A2 and Bipod M1918A2, Disassembly and Assembly—Part III: Disassembly and Assembly of Butt Plate and Sight Groups** (1943).
9–92	**The Browning Automatic Rifle, Cal .30, M1918A2 and Bipod M1918A2, Disassembly and Assembly—Part IV: Removal of Parts without Disassembly, Inspection, and Gaging** (1943).
9–93	**The Browning Machine Gun, Cal .30, M1917A1, Disassembly, Assembly, Inspection, and Gaging—Part I: Disassembly of Major Groups from and Assembly to the Weapon** (1943).
9–94	**The Browning Machine Gun, Cal .30, M1917A1, Disassembly, Assembly, Inspection, and Gaging—Part II: Disassembly and Assembly of Back Plate Group, Bolt Group, Block Frame Assembly, Barrel Extension** (1943).

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9–95	The Browning Machine Gun, Cal .30, M1917A1, Disassembly, Assembly, Inspection, and Gaging—Part III: Disassembly and Assembly of Cover Group, Rear Sight Group, the Receiver, and Water Jacket (1943).
9–96	The Browning Machine Gun, Cal .30, M1917A1, Disassembly, Assembly, Inspection, and Gaging—Part IV: Inspection and Gaging Bolt Group (1943).
9–102	The Howitzer, Pack, 75-mm M1A1, and Carriage, Howitzer, M3A1, Disassembly and Assembly Inspection—Part V: Inspection of Recoil Mechanism (1943).
9–120	The 155-mm Gun M1A1, and Gun Carriage M1, Disassembly and Assembly—Part I: Removing the Gun and Cradle (1943).
9–121	The 155-mm Gun, M1A1, and Gun Carriage, M1, Disassembly and Assembly—Part II: Removing the Carriage, Limber, Bogie, and Train (1943).
9–122	The 155-mm Gun, M1A1, and Gun Carriage M1, Disassembly and Assembly—Part III: Disassembly of the Breech Mechanism (1943).
9–123	The 155-mm Gun, M1A1, and Gun Carriage M1, Disassembly and Assembly—Part IV: Disassembly of the Top Carriage (1943).
9–124	The 155-mm Gun, M1A1, and Gun Carriage M1, Disassembly and Assembly—Part V: Disassembly of the Trunnions (1943).
9–125	The 155-mm Gun, M1A1,and Gun Carriage M1, Disassembly and Assembly—Part VI: Disassembly of the Replenisher and of the Variable Recoil Mechanism (1943).
9–126	The 155-mm Gun, M1A1, and Gun Carriage M1, Disassembly and Assembly—Part VII: Disassembly of the Bogie (1943).
9–127	The 155-mm Gun, M1A1, and Gun Carriage M1, Disassembly and Assembly—Part VIII: Disassembly of the Bogie (1943).
9–128	The 155-mm Gun, M1A1, and Gun Carriage M1, Disassembly and Assembly—Part IX: Disassembly of the Heavy Carriage Limber M2 (1943).
9–129	The 155mm Gun, M1A1, and Gun Carriage M1, Disassembly and Assembly—Part X: Disassembly of the Carriage Air Line and the Emergency Relay Valve (1943).
9–138	The US Rifle, Cal .30, M1—Inspection (1943).
9–139	The US Rifle, Cal .30, M1, Maintenance and Repair—Part I (1943).

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9–140	The US Rifle, Cal .30, M1, Maintenance and Repair—Part II (1943).
9–142	The Browning Automatic Rifle, Cal .30 M1918A2, Maintenance and Repair—Part I (1943).
9–143	The Browning Automatic Rifle, Cal .30, M1918A2, Maintenance and Repair—Part II (1943).
9–152	The Browning Machine Gun, Cal .50 M2, Inspection and Gaging—Part I (1943).
9–153	The Browning Machine Gun, Cal .50, M2, Inspection and Gaging—Part II (1943).
9–155	The Carbine, Cal .30, M1—Inspection (1943).
9–158	Bomb Reconnaissance—Part I: Diagnosis of Exploded Bombs (1944).
9–159	Bomb Reconnaissance—Part II: Diagnosis of Unexploded Bombs (1943).
9–160	Bomb Reconnaissance—Part III: Reporting System, Safety and Evacuation, Protective Works (1944).
9–166	Tire Maintenance—Part II: Retreading (1943).
9–174	The Browning Automatic Rifle, Cal .30, M1918A2, Inspection and Gaging—Part I (1943).
9–175	The Browning Automatic Rifle, Cal .30, M1918A2, Inspection and Gaging—Part II (1943).
9–176	The Tire Maintenance—Part III: First Echelon Maintenance (1943).
9–181	Identification of Ammunition—Part I: Ammunition, General (1944—Color).
9–182	Identification of Ammunition—Part II: Military Explosives (1944).
9–183	Identification of Ammunition—Part III: Small Arms (1944—Sound—Color—Film Reference).
9–208	The 75-mm Pack Howitzer, M1A1, and Carriages, M1, M8, and M3A3, Ordnance Inspection—Part I (1944).
9–209	The 75-mm Pack Howitzer, M1A1 and Carriages, M1, M8, and M3A3, Ordnance Inspection—Part II (1944).
9–212	Truck, Amphibian, 2½-ton, 6 x 6, GMC, DUKW-353, Preventive Maintenance, First Echelon—Part I (1944).

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9–213	**Truck, Amphibian, 2½-ton, 6 x 6, GMC, DUKW–353, Preventive Maintenance, First Echelon—Part II (1944).**
9–214	**Truck, Amphibian, 2½-ton, 6 x 6, GMC, DUKW–353, Preventive maintenance, First Echelon—Part III (1944).**
9–215	**Truck, Amphibian, 2½-ton, 6 x 6, GMC, DUKW–353, Preventive maintenance, Fiirst Echelon—Part IV (1944).**
9–216	**Truck, Amphibian, 2½-ton, 6 x 6, DUKW–353, Preventive Maintenance, Second Echelon—Part I (1944).**
9–217	**Truck, Amphibian, 2½-ton, 6 x 6, DUKW–353, Preventive Maintenance, Second Echelon—Part II (1944).**
9–218	**Truck, Amphibian, 2½-ton, 6 x 6, GMC, DUKW–353, Engine Removal—Part I (1944).**
9–219	**Truck, Amphibian, 2½-ton, 6 x 6, GMC, DUKW–353, Engine Removal—Part II (1944).**
9–220	**Truck, Amphibian, 2½-ton, 6 x 6, GMC, DUKW–353, Removal of Major Units—Part I (1944).**
9–221	**Truck, Amphibian, 2½-ton, 6 x 6, GMC, DUKW–353, Removal of Major Units—Part II (1944).**
9–222	**Preventive Maintenance, Automotive Wheeled Vehicles, First Echelon Driver, Before-operation Service—Part I (1944).**
9–223	**Preventive Maintenance, Automotive Wheeled Vehicles, First Echelon Driver, Before-operation Service—Part II (1944).**
9–224	**Preventive Maintenance, Automotive Wheeled Vehicles, First chelon Driver, Before-operation Service—Part III (1944).**
9–225	**Preventive Maintenance, Automotive Wheeled Vehicles, First Echelon Driver, During-operation Service—Part I (1944).**
9–226	**Preventive Maintenance, Automotive Wheeled Vehicles, First Echelon Driver, During-operation Service—Part II (1944).**
9–227	**The 75-mm Pack Howitzer, M1A1, and Carriages, M1, M8, and M3A3—Ordnance Maintenance and Repair (1944).**
9–228	**The 75-mm Tank Gun, M3 and Combination Mount M34—Ordnance Maintenance and Repair (1944).**
9–233	**The Ignition High-tension Circuit Tester, Ordnance Care and Use—Part I (1944).**

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9–234	The Ignition High-tension Circuit Tester, Ordnance Care and Use—Part II (1944).
9–235	The Ignition High-tension Cirucit Tester, Ordnance Care and Use—Part III (1944).
9–238	Preventive Maintenance, Automotive Wheeled Vehicles, First Echelon Driver, After-operation and Weekly Service —Part I (1944).
9–239	Preventive Maintenance, Automotive Wheeled Vehicles, First Echelon Driver, After-operation and Weekly Service —Part II (1944).
9–240	Preventive Maintenance, Automotive Wheeled Vehicles, First Echelon Driver, After-operation and Weekly Service —Part III (1944).
9–241	Preventive Maintenance, Automotive Wheeled Vehicles, First Echelon Driver, After-operation and Weekly Service —Part V (1944).
9–244	The Wood Cargo Body, Ordnance Maintenance and Repair—Part III (1944).
9–251	Truck, 2½-ton, 6 x 6, GMC, Preventive Maintenance, 1,000- and 6,000-mile—Part I: Lubrication (1944).
9–252	Truck, 2½-ton, 6 x 6, GMC, Preventive Maintenance, 1,000- and 6,000-mile—Part II: Lubrication (1944).
9–253	Truck, 2½-ton, 6 x 6, GMC, Preventive Maintenance, 1,000- and 6,000-mile—Part III: Lubrication (1944).
9–254	Truck, 2½-ton, 6 x 6, GMC, Precentive Maintenance, 1,000- and 6,000-mile—Part IV: Lubrication (1944).
9–260	Truck, 2½-ton, 6 x 6, GMC, Preventive Maintenance, 1,000- and 6,000-mile—Part V: Engine (1944).
9–261	Truck, 2½-ton, 6 x 6, GMC, Preventive Maintenance, 1,000- and 6,000-mile—Part VI: Engine (1944).
9–262	Truck, 2½-ton, 6 x 6, GMC, Preventive Maintenance, 1,000- and 6,000-mile—Part VII: Battery and Generator (1944).
9–263	Truck, 2½-ton, 6 x 6, GMC, Preventive Maintenance, 1,000- and 6,000-mile—Part VIII: Cooling System, Radiator, Water Pump, Fan, and Shroud (1944).

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9–264	Truck, 2½-ton, 6 x 6, GMC, Preventive Maintenance, 1,000- and 6,000-mile—Part IX: Lamps and Reflectors (1945).
9–265	Truck, 2½-ton, 6 x 6, GMC, Preventive Maintenance, 1,000- and 6,000-mile—Part X: Clutch, Transmission, Power Take-off, and Transfer Case (1945).
9–266	Truck, 2½-ton, 6 x 6, GMC, Preventive Maintenance, 1,000- and 6,000-mile—Part XI: Fuel Filter, Fuel Tank, and Fuel Pump (1945).
9–267	Truck, 2½-ton, 6 x 6, GMC, Preventive Maintenance, 1,000- and 6,000-mile—Part XII: Manifold and Heat Control, Exhaust Pipe and Muffler, Coil and Wiring, Regulator Unit and Starter and Switch (1945).
9–268	Truck, 2½-ton, 6 x 6, GMC, Preventive Maintenance, 1,000- and 6,000-mile—Part XIII: Front Axle, Rear Axle, Propeller Shaft, Universal Joints, Pillow Block, Slip Joints (1945).
9–269	Truck, 2½-ton, 6 x 6, GMC, Preventive Maintenance, 1,000- and 6,000-mile—Part XIV: Brake System, Hand Brake, Brake Hydrovac Booster (1945).
9–281	Winterization Kits for Automotive Vehicles—Part XII (1945).
9–285	Truck, 2½-ton, 6 x 6, GMC, Preventive Maintenance, 1,000- and 6,000-mile—Part XV: Rear Brakes, Rear Brake Shoes, Front Brakes, Front Brake Shoes, Brake Pedal, Brake Master Cylinder, Brake Lines (1945).
9–286	Trucks, 2½-ton, 6 x 6, GMC, Preventive Maintenance, 1,000- and 6,000-mile—Part XVI: Wheels, Hubs, and Tires (1945).
9–287	Trucks, 2½-ton, 6 x 6, GMC, Preventive Maintenance, 1,000- and 6,000-mile—Part XVII: Body, Winch, Road Test (1945).
9–306	Browning Automatic Rifle, Cal .30 M1918A2 (GTA 9–606) (1955).
9–307	75-mm Recoilless Rifle, M20 (GTA 9–612) (1955).
9–308	Mortar, 60-mm, M19 (GTA 9–624) (1955).
9–309	Mortar, 81-mm, M29 (GTA 9–625) (1955).
9–310	Mortar, 4.2", M30 (GTA 9–626) (1955).
9–311	Public Relations for Business and Professional People (10 min—1955—Sound—Color—Distribution in CONUS only—Commercial Adaptation).

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FS No.	
10–36	Automotive Brakes—Principles, Mechanical, Hydraulic, Air, Vacuum, Electric (1941).
10–42	The Internal Combustion Engine (1942).
10–57	The Carter Carburetor (1941—Film Reference).
10–59	Sheet Metal Work—Body, Fender, and Radiator Repairs (1941).
10–61	The Storage Battery (1941).
10–63	Engine Tune-up—Part I (1942).
10–64	Engine Tune-up—Part II (1942).
10–65	Engine Tune-up—Part III (1942).
10–82	Principles of the Down-draft Carburetor (1942).
10–87	Principles of Front End and Wheel Alignment (1942).
10–106	Refrigeration of Food—Part I: In the Field (1943).
10–110	Warehousing—Part I: Aisle Arrangement (1944).
10–111	Warehousing—Part II: Bins, Racks, and Box Pallets (1943).
10–112	Warehousing—Part III: Safety Precautions (1943).
10–118	The Army Range No. 5 (1943).
10–119	Dehydrated Foods—Part I: Why Dehydrate (1943).
10–124	Storage and Handling of Gasoline Lubricants in the Field—Part I: Gasoline (1943).
10–126	Unloading Gasoline from Tank Cars (1943).
10–127	Mess Supervision—Part III: The Use of Left-overs (1943).
10–134	Baking in the Field—Field Expedients—Part I: Adaptation of the M1937 Range for Emergency Baking (1944).
10–139	Individual Cooking—Part II: Cooking Meats, Fish, Fowl, Eggs, and Vegetables (1944).
10–140	Individual Cooking—Part III: The Arctic (1944).
10–141	Individual Cooking—Part IV: The Jungle (1944).

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10–147	**Tractor Trailer Driving** (1944).
10–159	**Shoe Repair—Part VI: The Patching Machine** (1944).
10–163	**Outfit, Cooking, Small Detachment** (1945).
10–177	**Care and Operation, Kitchen Equipment, Installed—Part I: Care and Operation of Potato Peeling Machine** (1947—Sound).
10–179	**Care and Operation of Kitchen Equipment—The Deep Fat Fryer** (1947—Sound).
10–180	**Care and Operation of Kitchen Equipment—The Dishwasher** (1948—Sound).
10–181	**Care and Operation of Meat Cutting Equipment** (1948—Sound).
10–182	**Care and Operation of the Vegetable Steamer** (1948—Sound).
10–183	**Care and Operation of the Coffee Urn** (1948—Sound).
10–185	**Characteristics of Army Lubricants** (1948—Sound).
10–186	**Army Field Rations (GTA 10–4)** (1955).
11–3	**Film Strip Preparation** (1942).
11–8	**Elementary Speed Graphic Operations** (1943).
11–22	**Maintenance of Field Wire Circuits—Part I: Prevention of Trouble** (1943).
11–23	**Maintenance of Field Wire Circuits—Part II: Detection of Trouble** (1943).
11–24	**Maintenance of Field Wire Circuits—Part III: Localization and Correction of Trouble** (1943).
11–25	**Telephone Central Office Set TC–4—Part I: Introduction** (1944—Film Reference).
11–26	**Telephone Central Office Set TC–4—Part II: Installation and Maintenance** (1943—Film Reference).
11–27	**Telephone Central Office Set TC–4—Part III: Operation** (1943—Film Reference).
11–30	**Suppression Systems for Army Vehicles** (1943).
11–38	**Radio Set SCR–506—Part I: Description** (1944).
11–39	**Radio Set SCR–506—Part II: Operation** (1943).
11–40	**Radio Set SCR–506—Part III: Presetting** (1944—Sound).

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11–44	**The Sound Reproducer MC–364** (1944—Sound).
11–50	**Film Strip Projector, PH–222—Setting Up and Operating** (1944).
11–54	**Plow LC–61 (Cable)** (1944).
11–58	**Photographic Darkroom Procedures—Tank Development of Cut Film** (1944).
11–59	**Photographic Darkroom Procedures—Part I: Loading Film Holders** (1944).
11–60	**Photographic Darkroom Procedures—Part III: Contact Printing** (1944).
11–61	**Photographic Darkroom Procedure—Part IV: Projection Printing** (1944).
11–64	**Use of Repeating Coil C–161** (1944).
11–65	**The Photographic Negative** (1944).
11–67	**Telephone Central Office Set TC–12—Part I: Introduction** (1944).
11–68	**Telephone Central Office Set TC–12—Part II: Installation** (1944).
11–69	**Telephone Central Office Set TC–12—Part III: Operation** (1944).
11–70	**Photographic Chemistry** (1944—Sound—Film Reference).
11–78	**Spiral-four Cable—Part II: Expedient Splice** (1945).
11–79	**Spiral-four Cable—Part III: Permanent Splice** (1945).
11–82	**Spiral-four Carrier Telephone System** (1944—Film Reference).
11–83	**Fine Grain Processing** (1944—Film Reference).
11–84	**Carrier Telephone Terminal CF–1–A—Part I: General Description** (1944).
11–86	**Telegraph Central Office Set TC–3** (1944).
11–87	**Use of Loading Coil C–114 and Telephone Repeater EE–89–A** (1945—Film Reference).
11–88	**Carrier Telegraph Terminals CF–2** (1945—Film Reference).
11–89	**Wire Communication Expedients** (1945).

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11–90	**Carrier Telephone Terminal CF–1–A—Part II: Functional Description** (1945—Film Reference).
11–91	**Packaging Methods—Method IIB—Container-Barrier-Container** (1948—Sound).
11–94	**Methods of Cleaning and Drying** (1950—Sound).
11–98	**Military Packaging Procedures—Method IA–3, Greaseproof, Waterproof Bag, Sealed** (1951—Sound).
11–99	**Military Packaging Procedures—Method IIA, Floating Bag** (1951—Sound).
11–100	**Military Packaging Procedures—Methods of Applying Preservative Coatings** (1951—Sound).
11–101	**Field Wire Ties** (1950).
11–106	**Framing, Composition, and Perspective** (1951).
11–107	**Hazards of High-powered Radio Transmitters** (1952).
11–108	**Repair of Camera PH–47–E and –F—Part I: Disassembly and Reassembly of the Bed and Back** (1952).
11–109	**Military Portraiture and Lighting** (1952).
11–110	**Repair of Camera PH–47–E and –F—Part II: Disassembly and Reassembly of the Focal Plane Shutter and Front Standard** (1952).
11–111	**Repair of Camera PH–47–F—Part III: Disassembly and Reassembly of the Ilex Shutter** (1952).
11–112	**Repair of Camera PH–47–E—Part IV: Disassembly and Reassembly of the Supermatic Shutter** (1952).
11–113	**Repair of Camera PH–47–(_)—Part V: Disassembly and Reassembly of the Kalart and Hugo Meyers Range Finders** (1952).
11–114	**Repair of Camera PH–47–(_)—Part VI: The Flashgun, Solenoid, and Built-in Synchronizer** (1953).
11–115	**Identification Photography—Operation of Equipment** (1952).
11–117	**Switchboard SB–22/PT, Installation and Operation** (1954).
11–120	**Signal Supply: Item Identification** (1953).
11–125	**Signal Supply: Nomenclature Systems** (1954).

NUMERICAL INDEX

FS No.	
11–137	**Circuit Diagrams** (1953).
11–141	**Traffic Diagrams, Telephone and Teletypewriters** (1954).
11–142	**Wave Propagation and Antenna Theory—Part I** (42 min—1955—Sound).
11–145	**Wave Propagation and Antenna Theory—Part II** (30 min—1955—Sound).
12–2	**A Soldier's General Orders—Interior Guard Duty** (1943—Film Reference).
12–3	**Military Discipline and Courtesy** (1943—Film Reference).
12–5	**The Story of Private Pete** (1943—Film Reference).
12–6	**Introduction to Numbers** (1943—Film Reference).
12–7	**Introduction to Language—Part I: Nouns** (1944—Film Reference).
12–8	**Introduction to Language—Verbs and Prepositions** (1944—Film Reference).
12–9	**The World** (1944—Film Reference).
12–17	**Army Library Program** (11 min—1954—Sound—Film Reference).
12–18	**US Army Service Clubs** (12 min—1954—Sound Film Reference).
12–19	**Army Crafts Program** (13 min—1953—Sound—Film Reference).
12–101	**The Army Entertainment Program** (11 min—1954—Sound).
16–1	**The Character Guidance Program—The Chaplain's Hour—The Nation We Serve** (1949—Color).
16–2	**The Character Guidance Program—The Chaplain's Hour—The Need for Wholesome Thinking** (1949—Color).
16–3	**The Character Guidance Program—The Chaplain's Hour—What Is Right** (1949—Color).
16–4	**The Character Guidance Program—The Chaplain's Hour—The Complete Person** (1949—Color).
16–5	**The Character Guidance Program—The Chaplain's Hour—Clean Speech** (1949—Color).
16–6	**The Character Guidance Program—The Chaplain's Hour—Chastity** (1949—Color).
16–7	**The Character Guidance Program—Worship in life** (1950—Color).
16–8	**The Character Guidance Program—Basic Morality** (1950—Color).

FS No.	
16–9	The Character Guidance Program—The Concept of Authority (1950—Color).
16–10	The Character Guidance Program—Life, Reputation, and Property (1950—Color).
16–11	The Character Guidance Program—Home (1950—Color).
16–12	The Character Guidance Program—The Making of Character (1950—Color).
16–13	The Character Guidance Program—The Shaping of Personality (1950—Color).
16–14	The Character Guidance Program—The Formation of Character (1951—Color).
16–15	The Character Guidance Program—Clean Living and Thinking (1951—Color).
16–16	The Character Guidance Program—Self-discipline (1951—Color).
16–17	The Character Guidance Program—Man Is a Moral Being (1951—Color).
16–18	The Character Guidance Program—How Free Am I? (1951—Color).
16–19	The Character Guidance Program—A Sense of Duty (1951—Color).
16–20	The Character Guidance Program—Spirit of Sacrifice (1952—Color).
16–21	Personal Integrity (1952—Color).
16–22	Ambition (1952—Color).
16–23	Honor (1952—Color).
16–24	The Character Guidance Program—Honesty (1952—Color).
16–25	The Character Guidance Program—The Chaplain's Hour—Marks of Greatness (1952—Color).
16–26	The Character Guidance Program—The Chaplain's Hour—Our Citizenship (1953—Color).
16–27	The Character Guidance Program—The Chaplain's Hour—Sincerity (1953—Color).
16–28	The Character Guidance Program—The Chaplain's Hour—Prejudice (1953—Color).
16–29	The Character Guidance Program—The Chaplain's Hour—Thrift (1953—Color).

FS No.	
16–30	**The Character Guidance Program—The Chaplain's Hour—The Hardest Victory** (1953—Color).
16–31	**The Character Guidance Program—The Chaplain's Hour—As You Would Be Done By** (1954—Color).
16–32	**The Character Guidance Program—The Chaplain's Hour—What Makes a Man a Man** (1954—Color).
16–33	**The Character Guidance Program—The Chaplain's Hour—Natural Law** (1954—Color).
16–35	**The Character Guidance Program—The Chaplain's Hour—Humility** (1953—Color).
16–36	**The Character Guidance Program—The Chaplain's Hour—My Right to the Truth** (1954—Color)
16–161	**Living Right at Our Work** (Sound Film Strip Kit). *RIGHT CHOICE*—How to decide what is nearest right in everyday problems of choice that often arise in our work (10 min). *RIGHT ATTITUDE*—How we can direct our feelings toward others to get good personal relations on the job (10 min). *RIGHT COUNSEL*—How to go about the giving of advice and how to take it from others (10 min). *RIGHT OUTLOOK*—Discussion of the workday effects of the way you look at things (10 min). *RIGHT LEADERSHIP*—How to get good leadership and when (10 min) (1956—Distribution to Central Film and Equipment Exchanges in CONUS and overseas for use by Chaplains—Commercial Adaptation).
19–1	**Preparing and Reading March Graph** (1943—Film Reference).
19–2	**Police Riot Club** (1943—Film Reference).
19–5	**Signals for Traffic Control Manual** (1944—Film Reference).
19–7	**Riot Control Formations** (1945—Film Reference).
19–9	**Fingerprinting and Fingerprint Examination** (1953—Film Reference).
19–10	**Fingerprint Lifting** (1954—Film Reference).
19–11	**Glass Fractures** (14 min—1955—Sound—Film Reference).
19–12	**Casts and Molds** (20 min—1955—Sound—Film Reference).
19–13	**Mechanical Aids to Physical Security—Part I—Perimeter Barriers and Personnel Identification** (13 min—1955—Sound—Film Reference).

FS No.	
19–14	**Packaging of Evidence for Transmittal to the Military Police Criminal Investigation Laboratories** (10 min—1956—Sound).
19–16	**Mechanical Aids to Physical Security—Part II—Protective Lighting, Communications, and Alarm Systems** (13 min—1955—Sound—Film Reference).
19–21	**Submachine Gun—Firing** (1955—Film Reference).
20–7	**Office Hazards** (1944).
20–8	**Good Housekeeping** (1944).
20–9	**Mechanical Handling of Materials** (1944).
20–10	**Safe from Fire** (1945).
20–11	**Motor Vehicle Operation** (1944).
20–12	**When Accidents Strike** (1944).
20–13	**Safe Use of Hand Tools** (1945).
20–14	**Safe Use of Fork Lift** (1945).
20–15	**Safety Pointers for the Operation of QM Laundry and Drycleaning Installations** (1945).
20–16	**Safety Pointers for Post Engineer Maintenance Operations** (1945).
20–23	**The Artillery Meteorological Message** (1945).
20–24	**No Man's Land** (1947—Sound—Commercial Adaptation).
20–25	**The Tragic Road to Safety** (1948—Sound—Commercial Adaptation).
20–26	**Taking the Mystery Out of Power Factor** (1948—Sound—Commercial Adaptation).
20–29	**Follow the Leader** (1948—Sound—Commercial Adaptation).
20–30	**Safety Is in Order** (1948—Sound—Commercial Adaptation).
20–31	**Brain Beats Brawn** (1948—Sound—Commercial Adaptation).
20–32	**Production with Safety** (1948—Sound—Commercial Adaptation).
20–33	**Cause and Cure** (1948—Sound—Commercial Adaptation).
20–38	**Stop, Look, and Listen** (1948—Sound—Commercial Adaptation).
20–53	**Defensive Driving** (1948—Sound—Commercial Adaptation).

FS No.	
20–54	**No Use Skidding** (1948—Sound—Commercial Adaptation).
20–57	**Human Factors in Safety—The Secret of Supervision** (1949—Sound—Commercial Adaptation).
20–58	**Human Factors in Safety—Teaching Safety on the Job** (1949—Sound—Commercial Adaptation).
20–59	**Human Factors in Safety—People Are All Alike** (1949—Sound—Commercial Adaptation).
20–60	**Human Factors in Safety—Everybody's Different** (1949—Sound—Commercial Adaptation).
20–61	**Human Factors in Safety—Teamwork for Safety** (1949—Sound—Commercial Adaptation).
20–62	**Human Factors in Safety—Safety Case Histories** (1949—Sound—Commercial Adaptation).
20–93	**The Case of Alice, Jane, and Agnes** (2 min—1952—Sound—Commercial Adaptation).
20–94	**The Case of Al Miller** (2 min—1952—Sound—Commercial Adaptation).
20–95	**The Case of Emma Trimble** (5 min—1952—Sound—Commercial Adaptation).
20–96	**The Case of Jerry Cooper** (3 min—1952—Sound—Commercial Adaptation).
20–97	**The Case of Jim Halsey** (2 min—1952—Sound—Commercial Adaptation).
20–98	**The Case of Mike and Bill** (2 min—1952—Sound—Commercial Adaptation).
[C] 20–99	**Dissemination of Atomic Energy Information: Indoctrination—Phase I (U)** (101 frames—1950—Limited distribution—Further distribution must be authorized by DCSOPS).
[C] 20–100	**Dissemination of Atomic Energy Information: Indoctrination—Phase II (U)** (100 frames—1950—Limited distribution—Further distribution must be authorized by DCSOPS).
20–112	**Off to the Right Start** (19 min—1952—Sound—Commercial Adaptation).
20–113	**There's a Job To Be Done** (1953—Sound—Distribution limited to oversea commands—Commercial Adaptation).
20–114	**One Step at a Time** (1953—Sound—Distribution limited to oversea commands—Commercial Adaptation).
20–115	**Let's Face the Facts** (1953—Sound—Distribution limited to oversea commands—Commercial Adaptation).
20–116	**Do The Job Right** (1953—Sound—Distribution limited to oversea commands—Commercial Adaptation).
20–117	**The Balanced Job** (1953—Sound—Distribution limited to oversea commands—Commercial Adaptation).

FS No.	
20–118	**It Takes Time** (1953—Sound—Distribution limited to oversea commands—Commercial Adaptation).
20–119	**When Something Goes Wrong** (1953—Sound—Distribution limited to oversea commands—Commercial Adaptation).
20–120	**Let's Talk Things Over** (1953—Sound—Distribution limited to oversea commands—Commercial Adaptation).
20–121	**The Right Medicine** (1953—Sound—Distribution limited to oversea commands—Commercial Adaptation).
20–122	**A Stitch in Time** (1953—Sound—Distribution limited to oversea commands—Commercial Adaptation).
20–123	**The Man Behind the Machine** (1953—Sound—Distribution limited to oversea commands—Commercial Adaptation).
20–124	**Women on the Job** (1953—Sound—Distribution limited to oversea commands—Commercial Adaptation).
20–144	**Man's Place in an Organization** (22 min—1952—Sound—Distribution limited to ZI).
20–145	**Make Requests—Don't Command** (1952—Sound—Distribution limited to ZI).
20–166	**Production Control—Part I** (Distribution limited to ZI for use only in Ordnance Training Program for Management Engineer and Engineer Analysts—1952—Commercial Adaptation).
20–167	**Production Control—Part II** (Distribution limited to ZI for use only in Ordnance Training Program for Management Engineer and Engineer Analysts—1952—Commercial Adaptation).
20–168	**Methods Analysis** (Distribution limited to ZI for use only in Ordnance Training Program for Management Engineer and Engineer Analysts—1952—Commercial Adaptation).
20–169	**Quality Control** (Distribution limited to ZI for use only in Ordnance Training Program for Management Engineer and Engineer Analysts—1952—Commercial Adaptation).
20–178	**The Case of Mary Benson** (6 min—1952—Sound—Commercial Adaptation).
20–179	**A Difference of Opinion** (2 min—1952—Sound—Commercial Adaptation).
20–180	**The Case of Independent Sadie** (1 min—1952—Sound—Commercial Adaptation).
20–181	**The Case of Tom, Dick, and Harry** (2 min—1952—Sound—Commercial Adaptation).
20–182	**The Case of Paul Steele** (5 min—1952—Sound—Commercial Adaptation).

FS No.	
20–183	**The Case of Joe and Bob** (2 min—1952—Sound—Commercial Adaptation).
20–184	**The Case of Harry Carey** (3 min—1952—Sound—Commercial Adaptation).
20–185	**The Case of George Gray** (4 min—1952—Sound—Commercial Adaptation).
20–186	**The Case of Lefty Laws** (3 min—1952—Sound—Commercial Adaptation).
20–187	**The Case of Sarah Blake** (3 min—1952—Sound—Commercial Adaptation).
20–188	**The Case of John Beaver** (4 min—1952—Sound—Commercial Adaptation).
20–189	**The Case of Abbie Swartz** (5 min—1952—Sound—Commercial Adaptation).
20–190	**The Case of Tessie Teller** (3 min—1952—Sound—Commercial Adaptation).
20–191	**The Case of Dewey Jones** (3 min—1952—Sound—Commercial Adaptation).
20–192	**The Case of Frances Moore** (3 min—1952—Sound—Commercial Adaptation).
20–193	**The Case of Bob Smith** (3 min—1952—Sound—Commercial Adaptation).
20–194	**The Case of Jake Diller** (4 min—1952—Sound—Commercial Adaptation).
20–195	**Case of the Three Calandeers** (4 min—1952—Sound—Commercial Adaptation).
21–1	**Film Strip Use in Military Training** (1944—Sound—Film Strip).
21–4	**Employment of the Armed Forces—Part I: The Armed Forces Team** (1949—Sound).
21–5	**Employment of the Armed Forces—Part II: The Army Team** (1949—Sound).
21–6	**Concealment Against Air Observation—Part I** (1953—From British Film Strip FS 921).
30–10	**Radio Direction Finding—Part I—Theory and Equipment** (25 min—1956—Sound).
31–6	**Parachute Landing Falls** (1950).
31–8	**Flight Safety** (1951).
38–2	**War Department Shipping Document—Part I: Preliminary Preparation** (1944—Film Reference).
38–5	**Warehousing at War—Part III: Receiving** (1945—Sound—Film Reference).
38–8	**Stock Control Practices—Part I: Control Levels** (1944—Sound).
38–9	**Stock Control Practices—Part II: Stock Record Cards** (1944—Sound—Film Reference).
38–11	**Ammunition Handling in Depots** (1945—Sound).

FS No.	
38–13	**Warehousing at War—Part VI: Stacking and Unloading with Fork Lift Trucks** (1945—Sound—Film Reference).
38–22	**Packaging and Packing, Method IIc—Cushioned-Item-Bag** (10 min—1954—Sound).
38–23	**Packaging and Packing, Method I—Preservative Coating** (11 min—1954—Sound).
38–24	**Packaging and Packing Method IA–8—Greaseproof, Waterproof, Water-Vaporproof Bag, Sealed** (10 min—1954—Sound).
38–25	**Packaging and Packing—Method IB—Strippable Compound Coating** (14 min—1954—Sound).
38–26	**Packaging and Packing—Methods of Preservation** (16 min—1954—Sound).
38–27	**Packaging and Packing—Use of Salvaged Packaging Materials** (20 min—1955—Sound).
38–28	**Packaging and Packing—Export Shipping Containers** (20 min—1954).
38–29	**Packaging and Packing—Domestic Shipping Containers** (22 min—1954).
44–3	**The Radio Set SCR–584—Part V: Operational Checks** (1944).
44–4	**The Directors M9 and M10—Part VI: Tests** (1944).
44–9	**The Radio Set SCR–584—Part IV, Section B: Orientation and Synchronization with the M9 and M10 Directors** (1944).
44–10	**Antiaircraft Artillery Guns and Accessories—120-mm (4.7-inch) Antiaircraft Gun on the M1 Mount—Part X: Tests and Adjustments** (1944).
44–11	**Antiaircraft Artillery Guns and Accessories—120-mm (4.7-inch) Antiaircraft Gun on the M1 Mount—Part XI: Maintenance of the Gun and Carriage** (1944).
44–14	**Antiaircraft Artillery Fire Control and Position Findings—Part XIX: The Director M5A2** (1945—For use only in training National Guard units and foreign armies, not for training active Army).
44–18	**Antiaircraft Artillery Guns and Accessories—Part II: The 90-mm AA Gun on M1A1 Mount—Section A: The Bogie and Pedestal** (1945).
44–19	**Antiaircraft Artillery Guns and Accessories—Part XII, Section A: Basic Mechanisms** (1945).
44–20	**Antiaircraft Artillery Guns and Accessories—Part XII, Section B: Basic Mechanisms** (1945).

FS No.	
44–21	**Antiaircraft Artillery Guns and Accessories—Part II: The 90-mm AA Gun on M1A1 Mount—Section B: Leveling Mechanism, Top Carriage Cradle** (1945).
44–22	**Antiaircraft Artillery Guns and Accessories—Part II: The 90-mm AA Gun M1A1 Mount—Section C: The Gun Assembly** (1945).
44–26	**Russian Aircraft** (1952—From British Film Strip FS87).
55–4	**Documentation of Freight—Part III: The Bill of Lading** (8 min—1952—Sound).
55–6	**Stowing of General Cargo** (10 min—1953—Sound).
55–10	**Making the March Graph** (15 min—1953—Sound).
55–11	**Operation of Truck Terminals** (11 min—1955—Sound).
55–12	**Semaphore Signaling** (1952—From Navy Film Strip SN 635).
55–13	**Signal Flag, Procedures, Sending, and Receiving Hoists** (1952—From Navy Film Strip SN 676).
55–14	**The Lead Line, Fathometer** (1952—From Coast Guard Film Strip SG 1689).
55–15	**Methods of Governing Motor March Columns—Maintenance of Safe Intervehicular Gap** (11 min—1955—Sound).
55–18	**Rail Right-of-Way Maintenance and Repair—Elements of Maintenance** (20 min—1954).
55–21	**Movement Control in a Theater of Operations** (16 min—1956—Sound—Film Reference).
55–24	**Man Overboard Emergency Drill** (1955—Sound—Distribution to central film and equipment exchanges in CONUS and Transportation Command—From Navy Film SN 370).
55–25	**Valve and Ignition Timing** (1955—Distribution in CONUS only—From Air Force Film).
55–26	**Piloting—Instruments Used in Piloting** (1955—Distribution to central film and equipment exchanges in CONUS and Transportation Command—From Coast Guard Film SG 3883A).
55–27	**Piloting—The Magnetic Compass** (1955—Distribution to central film and equipment exchanges in CONUS and Transportation Command—From Coast Guard Film SG 3883B).
55–28	**Piloting—Radio Direction Finder** (1955—Distribution to central film and equipment exchanges in CONUS and Transportation Command—From Coast Guard Film SG 3883E).

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FS No.	
55–29	**Piloting—The Azimuth Circle and Pelorus** (1955—Distribution to central film and equipment exchanges in CONUS and Transportation Command—From Coast Guard Film SG 3883K).
55–30	**Aircraft Carburetors** (1956—Color—Distribution to Central Film and Equipment Exchanges in CONUS—From Air Force Film FS 1–169).
55–31	**Ignition Systems: Magnetos—Part II—Breaker Systems, Distributor Systems** (1955—Distribution in CONUS only—From Air Force Film Strip FS 1–205).
55–32	**Ignition Timing: The R–2800 Engine** (1955—Distribution in CONUS only—From Air Force Film Strip FS 1–305).
55–33	**Wright R–1820–65 and 97 Engine—Ignition Timing and Wiring** (1955—Distribution in CONUS only—From Air Force Film Strip FS 1–761).
55–34	**Ignition Systems: Spark Plugs and Ignition Harness** (1955—Distribution in CONUS only—From Air Force Film Strip FS 1–161).
61–10	**Position Classification** (14 min—1952—Sound—Color—From Air Force Film Strip FS 1–2817).
61–13	**Freedom of Opportunity** (1953—Sound—Commercial Adaptation).
61–14	**Individual Output** (1953—Sound—Commercial Adaptation).
61–15	**Getting Ideas Across** (1953—Sound—Commercial Adaptation).
61–16	**Effective Management** (1953—Sound—Commercial Adaptation).
61–17	**When You've Got a Problem** (1953—Sound—Commercial Adaptation).
61–18	**The Will To Produce** (1953—Sound—Commercial Adaptation).
61–19	**Understanding People** (1953—Sound—Commercial Adaptation).
61–20	**Individual Adjustment** (1953—Sound—Commercial Adaptation).
61–21	**Getting Results Through People** (1953—Commercial Adaptation).
61–23	**Understanding Employee Viewpoint** (24 min—1955—Sound—Distribution in CONUS only—Commercial Adaptation).
61–24	**Error Correction Talk** (24 min—1955—Sound—Distribution in CONUS only—Commercial Adaptation).

FS No.	
61–25	**Motivating the Long Service Employee** (24 min—1955—Sound—Distribution in CONUS only—Commercial Adaptation).
61–26	**Orientation and Induction** (24 min—1955—Sound—Distribution in CONUS only—Commercial Adaptation).
61–27	**Combating Job Monotony** (24 min—1955—Sound—Distribution in CONUS only—Commercial Adaptation).
61–28	**Excessive Supervision** (24 min—1955—Sound—Distribution in CONUS only—Commercial Adaptation).
80–2	**On-the-job Supervision—Part I: The Cost of an Error** (1944—Sound).
80–3	**On-the-job Supervision—Part II: Spotting Immediate Training Needs** (1944—Sound).
80–4	**On-the-job Supervision—Part III: The Job Break-down** (1944—Sound).
80–5	**On-the-job Supervision—Part IV: The Four Steps** (1944—Sound).
80–7	**On-the-job Supervision—Kinda Give It Your Personal Attention** (1944—Sound).
80–8	**Stop, Look, and Question** (1945—Sound).
80–16	**Foundation for Good Job Relations** (1945—Sound).
80–19	**Effective Deputization** (1948—Sound—Commercial Adaptation).

59. Slide Kit

The slide kit (SK) was introduced to assist in the training of antiaircraft personnel in the recognition of aircraft.

SK Device	
5–QQ–8	**Aircraft Recognition** Views of aircraft of US, United Kingdom, Soviet Union, and certain other nations—For the training of the antiaircraft personnel in aircraft recognition (1953—Approximately 1,000 2″ x 2″ slides mounted on cardboard, with illustrated index, and carrying case—Supplementary Kit No. 1 consists of 113 2″ x 2″ slides in cardboard mounts—1954—Supplementary Kit No. 2 consists of 257 2″ x 2″ slides in cardboard mounts—1955—Supplementary Kit No. 3 consists of 133 2″ x 2″ slides in cardboard mounts—1956).

60. Phono-recordings (R)

DA record No.	*Title*	*Speed (rpm)*	*Size*
	ALBUM OF RECORDS (With Pamphlet) SPEECH AND SOUND—A PROFESSIONAL COURSE IN PUBLIC SPEAKING		
1	Lesson I Side I: **Expression** Side II: **Voice Placement**	78	12″
2	Lesson II Side I: **Information Talks** Side II: **Practice Side**	78	12″
3	Lesson III Side I: **Descriptive Talks** Side II: **Practice Side**	78	12″
4	Lesson IV Side I: **Conference Talk** Side II: **Practice Side**	78	12″
5	Lesson V Side I: **Controversial Side** Side II: **Practice Side**	78	12″
6	Lesson VI Side I: **Story Telling** Side II: **Practice Side**	78	12″
	BUGLE CALLS (Set of 2 Records)		
R–1	Side 1: **First Call** **Reveillee** **Assembly** **Mess Call** **Sick Call** **Drill Call** Side 2: **Retreat** **To The Color** **Tattoo** **Call to Quarters** **Taps**	78	12″

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DA record No.	*Title*	*Speed (rpm)*	*Size*
R–2	Side 1: **Attention** **Church Call** **Fatigue** **Fire Call** **1st Sgt. Call** **Guard Mounting** Side 2: **Mail Call** **Officers Call** **Pay Day** **Recall** **School Call**	78	12″
	BATTLENOISE RECORDS (Set of 3 Records)		
R–3	Side 1: **Airplane** **Anti-Tank** **Rifle** **Machine Gun Tanks** Side 2: **Airplane** **Bombs** **Machine Guns**	78	12″
R–4	Side 1: **Airplane** **Bombs** **Ricochets** **Machine Guns** Side 2: **Artillery Barrage**	78	12″
R–5	Side 1: **Artillery Barrage** **Airplane** **Anti-tank** **Rifle** **Machine Gun** **Tanks** Side 2: **Machine Gun Bursts and Continuous Close**	78	12″
R–6	*ARMY RADIO CODE APTITUDE TESTS* (Set of 4 Records)	78	12″
	MARCH MUSIC RECORDINGS (Set of 3 Records)		
R–7	Side 1: **Invercargill** **Official West Point March** **March Medley** **The Stars & Stripes Forever**	33⅓	16″

DA record No.	*Title*	*Speed (rpm)*	*Size*
	Side 2: **The Washington Post March** **Colonel Bogey** **Bombasto** **On the Square** **Chicago Tribune** **The Thunderer**		
R–8	Side 1: **Our Director** **The Chimes of Liberty** **Garde du Corps** **La Regiment de Sambre et Meuse** **Lights Out** **The Boys of the Old Brigade** Side 2: **Barnum & Bailey's Royal Pageant March** **Old Comrads** **The Black Horse Troop** **The Southerner** **The Fight is On** **Them Basses**	33⅓	16″
R–9	*THE STAR SPANGLED BANNER* (1 Side Only)	33⅓	12″
	NATIONAL ANTHEMS (Set of 5 Records)		
R–10	Side 1: **Argentina** **Bolivia** Side 2: **Brazil** **Canada**	78	12″
R–11	Side 1: **Chile** **Columbia-Costa Rica** Side 2: **Cuba-Ecuador** **Great Britain**	78	12″
R–12	Side 1: **Guatemala** **Haiti** **Honduras** Side 2: **Mexico, Nicaragua** **Panama**	78	12″
R–13	Side 1: **Paraguay, Peru** Side 2: **San Domingo, San Salvador**	78	12″
R–14	Side 1: **U.S.A., Venezuela** Side 2: **Uruguay**	78	12″

DA record No.	*Title*	*Speed (rpm)*	*Size*
R–15	*JAMMING SIGNALS* (2 Records) Side 1: **Jamming Signals—Stepped Tones** Side 2: **Jamming Signals—Random Keying** Side 3: **Jamming Signals—Noise** Side 4: **Combination of: Stepped Tones** **Random Keying** **Noise**	**33⅓**	**12"**
R–16	***INDIVIDUAL CBR TEST—1954*** (2 double sided records) (Distribution to Central Film and Equipment Exchanges in CONUS).	**33⅓**	**16"**

SECTION IV

ALPHABETICAL INDEX OF FILM TITLES

61. General

a. Use this index only when the exact title of a film is known. Motion pictures and film strips are listed in this section alphabetically by titles. In this index the words, "A", "An", and "The", are not used as the first word of any title. For example, the title "The Army Engineer" is indexed under "Army Engineer." When the first word in a title is a number, it is indexed alphabetically as if the number were spelled out. For example, the title "90-mm Antiaircraft Gun—Part I", is listed under "N", as though the number were spelled "Ninety-mm."

b. The following types of films have been omitted from this section since they have no specific titles:

Armed Forces Screen Magazines.
Combat Bulletins.
Staff Film Reports.

Information on the above types of films is contained in the numerical index (section III) and the category index (section II).

c. When the number of the film is obtained from this index, consult the numerical index for detailed information.

d. Use the category index to locate films for training and information programs.

ALPHABETICAL INDEX OF FILM TITLES

62. Alphabetical Index of Motion Pictures

Release No.	*Title*	*For synopsis see page No.*
[S-RD] Misc 8125	**A-Bomb at Sea (U)** (Limited Distribution—Further distribution must be authorized by USCONARC).	200
TF 21-1244	**Abandon Ship**	343
PMF 5002	**Abdominal Colostomy Closure—Pauchet Method.**	260
FB 9-238	**Aberdeen Proving Ground**	190
[S] Misc 8127	**Able Day Hi-Speed Story (U)** (Limited Distribution—Further distribution must be authorized by USCONARC).	200
PMF 5037	**Abnormal Involuntary Movements**	262
AFIF 41	**About Rumors**	163
TF 19-1482	**Absence Without Leave and Desertion**	348
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* Sound film strip (SFS).

** Slide Kit (SK).

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* Sound film strip (SFS).

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7–115	Browning Automatic Rifle, Cal .30, M1918A2—Part III: Care and Cleaning
*7–159	Browning Automatic Rifle, Caliber .30, M1918A2—Stoppages and Immediate Action
7–74	Browning Automatic Rifle, Cal .30, M1918A2 With Bipod—Part I: Mechanical Training—Description, Disassembly, and Assembly
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* Sound film strip (SFS).

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9–95	Browning Machine Gun, Cal .30, M1917A1, Disassembly, Assembly, Inspection, and Gaging—Part III: Disassembly and Assembly of Cover Group, Rear Sight Group, the Receiver, and Water Jacket
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* Sound film strip (SFS).

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* Sound film strip (SFS).

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*8–122	Clinical Ophthalmoscopy (Normal Fundus, Development and Senile Changes, Anemia, Polycythemia)
*8–126	Clinical Ophthalmoscopy (Primary Retinal Degeneration, Angioid Streaks, Diseases of the Optic Nerve)
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* Sound film strip (SFS).

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* Sound film strip (SFS).

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* Sound film strip (SFS).

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10–140	Individual Cooking—Part III: The Arctic
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*55–10	Making the March Graph
*20–123	Man Behind the Machine
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*19–13	Mechanical Aids to Physical Security—Part I—Perimeter Barriers and Personnel Identification
*19–16	Mechanical Aids to Physical Security—Part II—Protective Lighting, Communications, and Alarm Systems
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* Sound film strip (SFS).

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9–310	Mortar, 4.2", M30 (GTA 9–626)
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*20–24	No Man's Land
*20–54	No Use Skidding
*20–112	Off to the Right Start
20–7	Office Hazards
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*80–4	On-the-job Supervision—Part III: The Job Break-down
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9–121	155-mm Gun, M1A1, and Gun Carriage M1, Disassembly and Assembly—Part II: Removing the Carriage, Limber, Bogie, and Train
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* Sound film strip (SFS).

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38–29	Packaging and Packing—Domestic Shipping Containers
38–28	Packaging and Packing—Export Shipping Containers
*38–23	Packaging and Packing, Method I—Preservative Coating
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*19–14	Packaging of Evidence for Transmittal to the Military Police Criminal Investigation Laboratories
2–29	Packing the McCellan Saddle
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31–6	Parachute Landing Falls
16–21	Personal Integrity
*11–70	Photographic Chemistry
11–59	Photographic Darkroom Procedure—Part I: Loading Film Holders
11–60	Photographic Darkroom Procedure—Part III: Contact Printing
11–61	Photographic Darkroom Procedure—Part IV: Projection Printing
11–58	Photographic Darkroom Procedures—Tank Development of Cut Film
11–65	Photographic Negative

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55–26	Piloting—Instruments Used in Piloting
55–28	Piloting—Radio Direction Finder
55–29	Piloting—The Azimuth Circle and Pelorus
55–27	Piloting—The Magnetic Compass
7–22	Pitching and Striking the Latrine Screen
7–18	Pitching and Striking the Pyramidal Tent
*8–105	Pitching and Striking the Section Hospital Tent
7–127	Pitching and Striking the Squad Tent M1942
7–19	Pitching and Striking the Wall Tent
11–54	Plow LC–61 (Cable)
19–2	Police Riot Club
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3–39	Portable Flame Thrower M2–2—Part IV: Filling by Pressure, Using Fuel Filling Kit M10
5–82	Portable Gasoline Power Chain Saw
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9–55	Power Train for Tank M4, Disassembly and Assembly—Part I: Disassembly of Power Train into Major Subassemblies
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6–27	Preparation of Field Artillery Material for Railway Transport—Part II: Loading and Securing Vehicles
6–28	Preparation of Field Artillery Material for Railway Transport—Part III: Loading and Securing Weapons
*5–83	Preparation of Native Timber for Bridge Construction

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19–1	Preparing and Reading March Graph
9–238	Preventive Maintenance, Automotive Wheeled Vehicles, First Echelon Driver, After-operation and Weekly Services—Part I
9–239	Preventive Maintenance, Automotive Wheeled Vehicles, First Echelon Driver, After-operation and weekly Service—Part II
9–240	Preventive Maintenance, Automotive Wheeled Vehicles, First Echelon Driver, After-operation and Weekly Service—Part III
9–241	Preventive Maintenance, Automotive Wheeled Vehicles, First Echelon Driver, After-operation and Weekly Service—Part IV
9–222	Preventive Maintenance, Automotive Wheeled Vehicles, First Echelon Driver, Before-operation Service—Part I
9–223	Preventive Maintenance, Automotive Wheeled Vehicles, First Echelon Driver, Before-operation Service—Part II
9–224	Preventive Maintenance, Automotive Wheeled Vehicles, First Echelon Driver, Before-operation Service—Part III
9–225	Preventive Maintenance, Automotive Wheeled Vehicles, First Echelon Driver, During-operation Service—Part I
9–226	Preventive Maintenance, Automotive Wheeled Vehicles, First Echelon Driver, During-operation Service—Part II
10–87	Principles of Front End and Wheel Alignment
10–82	Principles of the Down-draft Carburetor
20–166	Production Control—Part I
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*20–32	Production with Safety
*9–311	Public Relations for Business and Professional People
20–169	Quality Control
*30–10	Radio Direction Finding—Part I—Theory and Equipment
4–222	Radio Set SCR–584—Part I: Exterior General Description and Nomenclature
4–225	Radio Set SCR–584—Part II: Description and Nomenclature, Interior
44–9	Radio Set SCR–584—Part IV, Section B: Orientation and Synchronization with the M9 and M10 Directors
44–3	Radio Set SCR–584—Part V: Operational Checks
11–38	Radio Set SCR–506—Part I: Description
11–39	Radio Set SCR–506—Part II: Operation
*11–40	Radio Set SCR–506—Part III: Presetting
55–18	Rail Right-of-Way Maintenance and Repair Elements of Maintenance
5–84	Record Card System for Preventive Maintenance at a Sewage Plant
10–106	Refrigeration of Food—Part I: In the Field
11–108	Repair of Camera PH–47–E and –F, Part I: Disassembly and Reassembly of the Bed and Back

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11–111	Repair of Camera PH-47-F—Part III—Disassembly and Reassembly of the Ilex Shutter
11–112	Repair of Camera PH-47-E—Part IV: Disassembly and Reassembly of the Supermatic Shutter
11–113	Repair of Camera PH-47-( )—Part V: Disassembly and Reassembly of the Kalart and Hugo Meyers Range Finders
11–114	Repair of Camera PH-47-( )—Part VI: The Flashgun, Solenoid, and Built-in Synchronizer
8–45	Restraint and Control of Animals
7–39	Rifle Marksmanship, Range Practice, US Rifle, Cal .30, M1—Part I: Safety Precautions
5–22	Rigging—Part I: Rope and Lashings
5–20	Rigging—Part II: Knots
5–18	Rigging—Part III: Practical Installations
*20–121	Right Medicine
19–7	Riot Control Formations
5–53	Road Construction and Maintenance
5–55	Road Reconnaissance
44–26	Russian Aircraft
5–134	Russian Mines and Igniters—Individual Mechanisms and Disarming Procedure
20–10	Safe from Fire
20–14	Safe Use of Fork Lift
20–13	Safe Use of Hand Tools
*20–30	Safety Is in Order
20–16	Safety Pointers for Post Engineer Maintenance Operations
20–15	Safety Pointers for the Operation of QM Laundry and Drycleaning Installations
5–69	Safety Precautions in Handling Explosives and Demolitions
55–12	Semaphore Signaling
6–45	Sensing of Field Artillery Fire
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6–47	75-mm Howitzers M1 and M8—Part II: Mechanical Functioning
6–37	75-mm Howitzers M1 and M8—Part IV: Disassembly and Loading on Pack Animals for Transport
9–208	75-mm Pack Howitzer, M1A1, and Carriages, M1, M8, and M3A3, Ordnance Inspection—Part I
9–209	75-mm Pack Howitzer, M1A1, and Carriages, M1, and M8, and M3A3, Ordnance Inspection—Part II
9–227	75-mm Pack Howitzer, M1A1, and Carriages, M1, M8, and M3A3—Ordnance Maintenance and Repair
9–307	75-mm Recoilless Rifle, M20 (GTA 9–612)
7–158	75-mm Rifle M20—Part I: Mechanical Training—Part II: Functioning, Stoppage, and Immediate Action—Part III: Ammunition, Mountings, Sights and Fire Control—Part IV: Boresighting, Direct and Indirect Fire Sights—Part V: Marksmanship and Technique of Fire

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10–59	Sheet Metal Work—Body, Fender, and Radiator Repairs
*8–195	Shell Egg Grading
10–159	Shoe Repair—Part VI: The Patching Machine
6–50	Sighting and Laying Equipment—Tests and Adjustments—155-mm Gun M1 and 8-inch Howitzer M1
55–13	Signal Flag, Procedures, Sending, and Receiving Hoists
11–120	Signal Supply: Item Identification
11–125	Signal Supply: Nomenclature Systems
19–5	Signals for Traffic Control Manual
2–23	Simple Land Navigation for Combat Vehicles
9–85	60-mm Mortar M2 and Mount—Part I: Disassembly and Assembly
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*8–106	Smallpox Vaccination
*8–191	Snake Bite Kit, Suction, in Plastic Carrying Case
*5–106	Soil Identification and Testing—Part I: Field Identification and Soil Sampling
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*5–105	Soils
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*11–44	Sound Reproducer MC–364
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8–98	Sterile Technique
*20–122	Stitch in Time
*38–8	Stock Control Practices—Part I: Control Levels
*38–9	Stock Control Practices—Part II: Stock Record Cards
*20–38	Stop, Look, and Listen
*80–8	Stop, Look, and Question
10–124	Storage and Handling of Gasoline Lubricants in the Field—Part I: Gasoline
10–61	Storage Battery
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*55–6	Stowing of General Cargo
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19–21	Submachine Gun-Firing
11–30	Suppression Systems for Army Vehicles
*8–138	Surgical Dressing Carriage
5–78	Surveying—Building and Utility Lay-out
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* Sound film strip (SFS).

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11–86	Telegraph Central Office Set TC–3
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11–26	Telephone Central Office Set TC–4—Part II: Installation and Maintenance
11–27	Telephone Central Office Set TC–4—Part III: Operation
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9–219	Truck, Amphibian, 2½-ton, 6 x 6, GMC, DUKW–353, Engine Removal—Part II
9–212	Truck, Amphibian, 2½-ton, 6 x 6, GMC, DUKW–353, Preventive Maintenance, First Echelon—Part I
9–213	Truck, Amphibian, 2½-ton, 6 x 6, GMC, DUKW–353, Preventive Maintenance, First Echelon—Part II
9–214	Truck, Amphibian, 2½-ton, 6 x 6, GMC, DUKW–353, Preventive Maintenance, First Echelon—Part III
9–215	Truck, Amphibian, 2½-ton, 6 x 6, GMC, DUKW–353, Preventive Maintenance, First Echelon—Part IV
9–216	Truck, Amphibian, 2½-ton, 6 x 6, DUKW–353, Preventive Maintenance, Second Echelon—Part I
9–217	Truck, Amphibian, 2½-ton, 6 x 6, DUKW–353, Preventive Maintenance, Second Echelon—Part II
9–220	Truck, Amphibian, 2½-ton, 6 x 6, GMC, DUKW–353, Removal of Major Units—Part I
9–221	Truck, Amphibian, 2½-ton, 6 x 6, GMC, DUKW–353, Removal of Major Units—Part II
9–251	Truck, 2½-ton, 6 x 6, GMC, Preventive Maintenance, 1,000- and 6,000-mile—Part I: Lubrication
9–252	Truck, 2½-ton, 6 x 6, GMC, Preventive Maintenance, 1,000- and 6,000-mile—Part II: Lubrication
9–253	Truck, 2½-ton, 6 x 6, GMC, Preventive Maintenance, 1,000- and 6,000-mile—Part III: Lubrication
9–254	Truck, 2½-ton, 6 x 6, GMC, Preventive Mantenance, 1,000- and 6,000-mile—Part IV: Lubrication
9–260	Truck, 2½-ton, 6 x 6, GMC, Preventive Maintenance, 1,000- and 6,000-mile—Part V: Engine
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* Sound film strip (SFS).

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9–264	Truck, 2½-ton, 6 x 6, GMC, Preventive Maintenance, 1,000- and 6,000-mile—Part IX: Lamps and Reflectors
9–265	Truck, 2½-ton, 6 x 6, GMC, Preventive Maintenance, 1,000- and 6,000-mile—Part X: Clutch, Transmission, Power Take-Off, and Transfer Case
9–266	Truck, 2½-ton, 6 x 6, GMC, Preventive Maintenance, 1,000, and 6,000-mile—Part XI: Fuel Filter, Fuel Tank, and Fuel Pump
9–267	Truck, 2½-ton, 6 x 6, GMC, Preventive Maintenance, 1,000- and 6,000-mile—Part XII: Manifold and Heat Control, Exhaust Pipe and Muffler, Coil and Wiring, Regulator Unit and Starter and Switch
9–268	Truck, 2½-ton, 6 x 6, GMC, Preventive Maintenance, 1,000- and 6,000-mile—Part XIII: Front Axle, Rear Axle, Propeller Shaft, Universal Joints, Pillow Block, Slip Joints
9–269	Truck, 2½-ton, 6 x 6, GMC, Preventive Maintenance, 1,000- and 6,000-mile—Part XIV: Brake System, Hand Brake, Brake Hydrovac Booster
9–285	Truck, 2½-ton, 6 x 6, GMC, Preventive Maintenance, 1,000- and 6,000-mile—Part XV: Rear Brakes, Rear Brake Shoes, Front Brakes, Front Brake Shoes, Brake Pedal, Brake Master Cylinder, Brake Lines
9–286	Truck, 2½-ton, 6 x 6, GMC, Preventive Maintenance, 1,000- and 6,000-mile—Part XVI: Wheels, Hubs, and Tires
9–287	Truck, 2½-ton, 6 x 6, GMC, Preventive Maintenance, 1,000- and 6,000-mile—Part XVII: Body, Winch, Road Test
*61–23	Understanding Employee Viewpoint
*61–19	Understanding People
*5–118	US Antipersonnel Mine M14
5–79	US Antipersonnel Mines
*5–58	US Army No. 1 Space Heater—Care and Firing
*12–18	US Army Service Clubs
9–138	US Rifle, Cal .30, M1—Inspection
9–139	US Rifle, Cal .30, M1, Maintenance and Repair—Part I
9–140	US Rifle, Cal .30, M1, Maintenance and Repair—Part II
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*5–107	Use of Field Decoy Installations
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*5–85	Use of Road and Airdrome Construction Equipment—Part I: Tractors, Dozers, Scrapers
*5–86	Use of Road and Airdrome Construction Equipment—Part II: Rooters, Rollers, Graders, Shovels, with Attachments
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* Sound film strip (SFS).